

FIG. 1

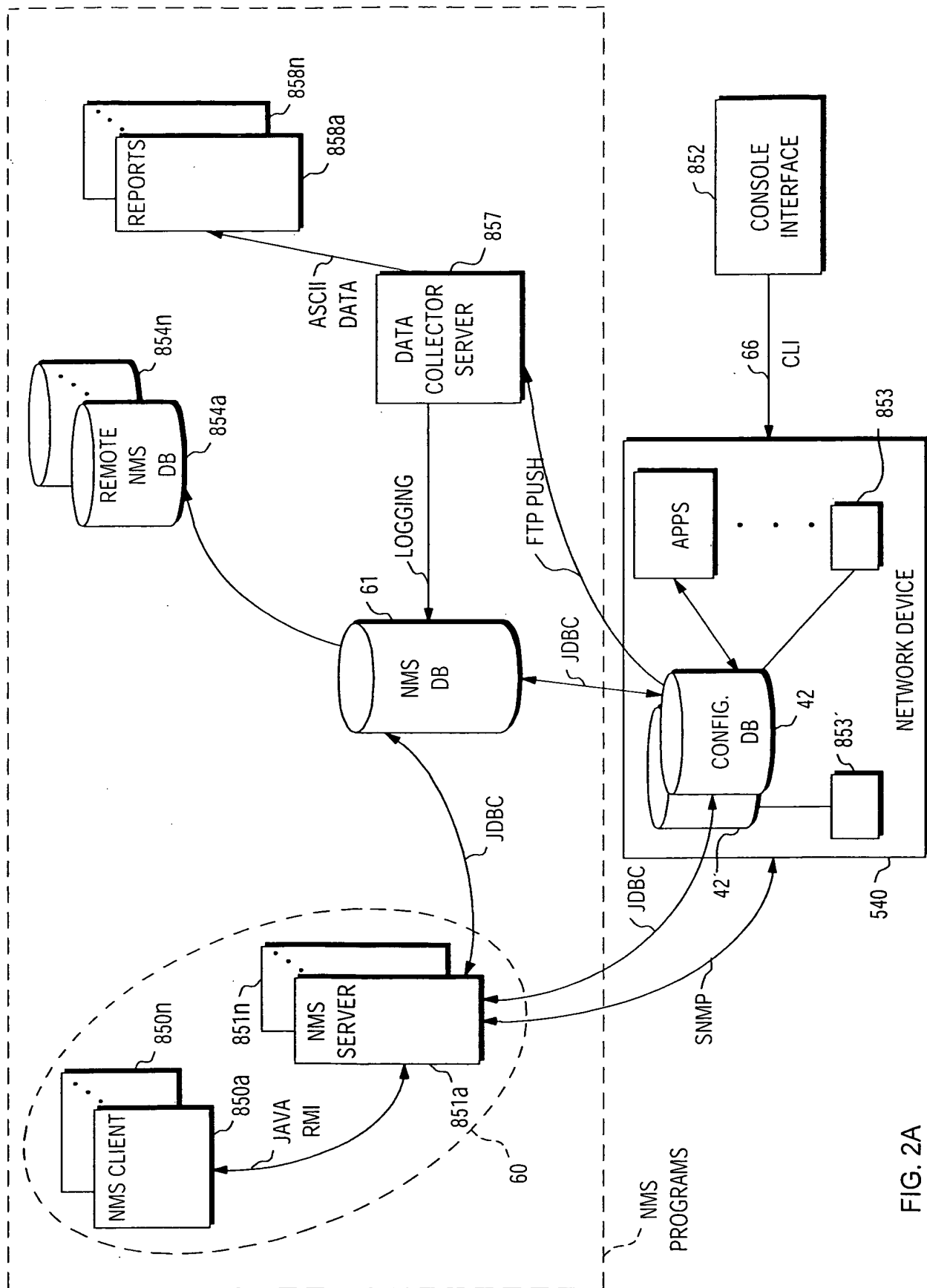


FIG. 2A

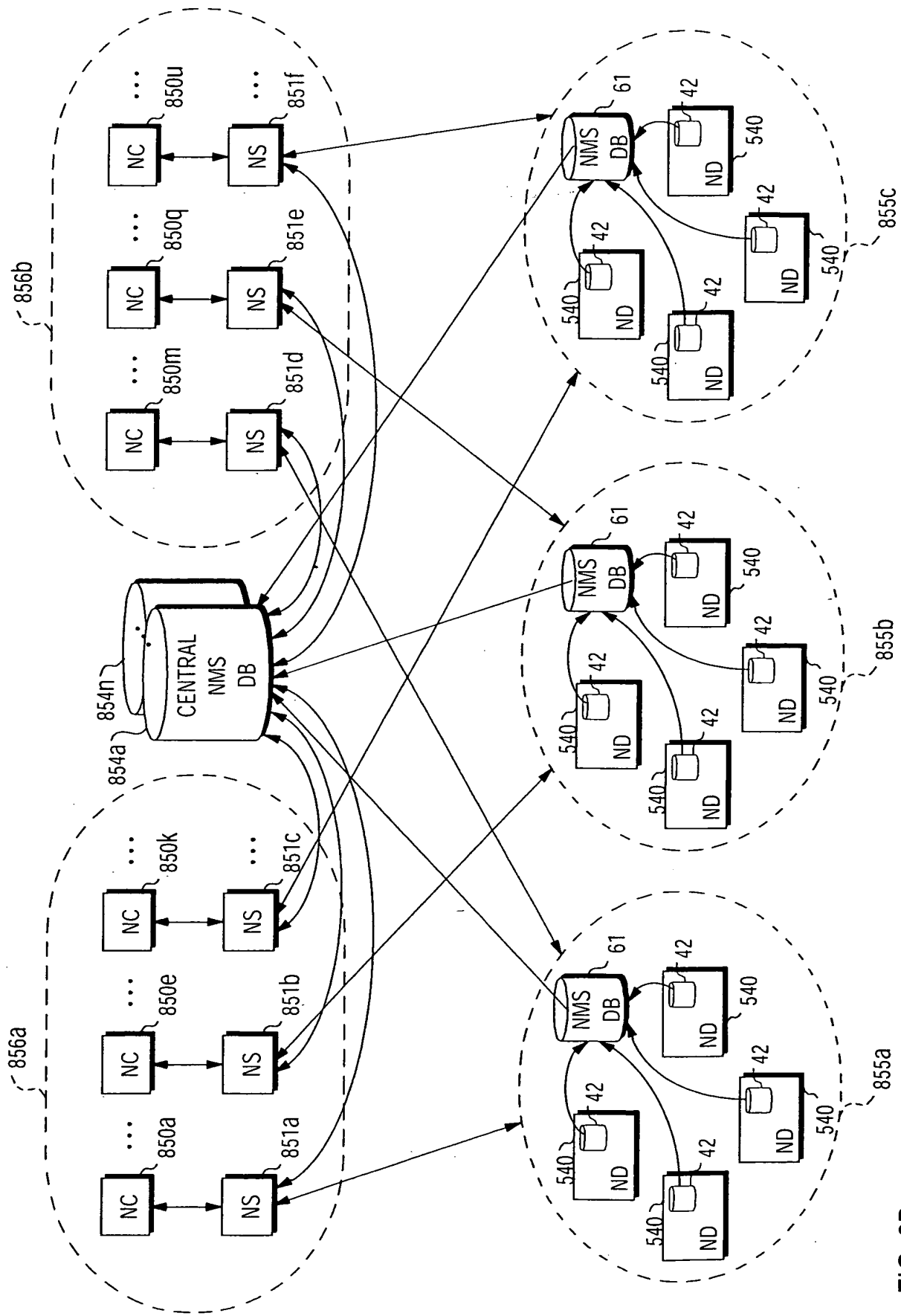


FIG. 2B

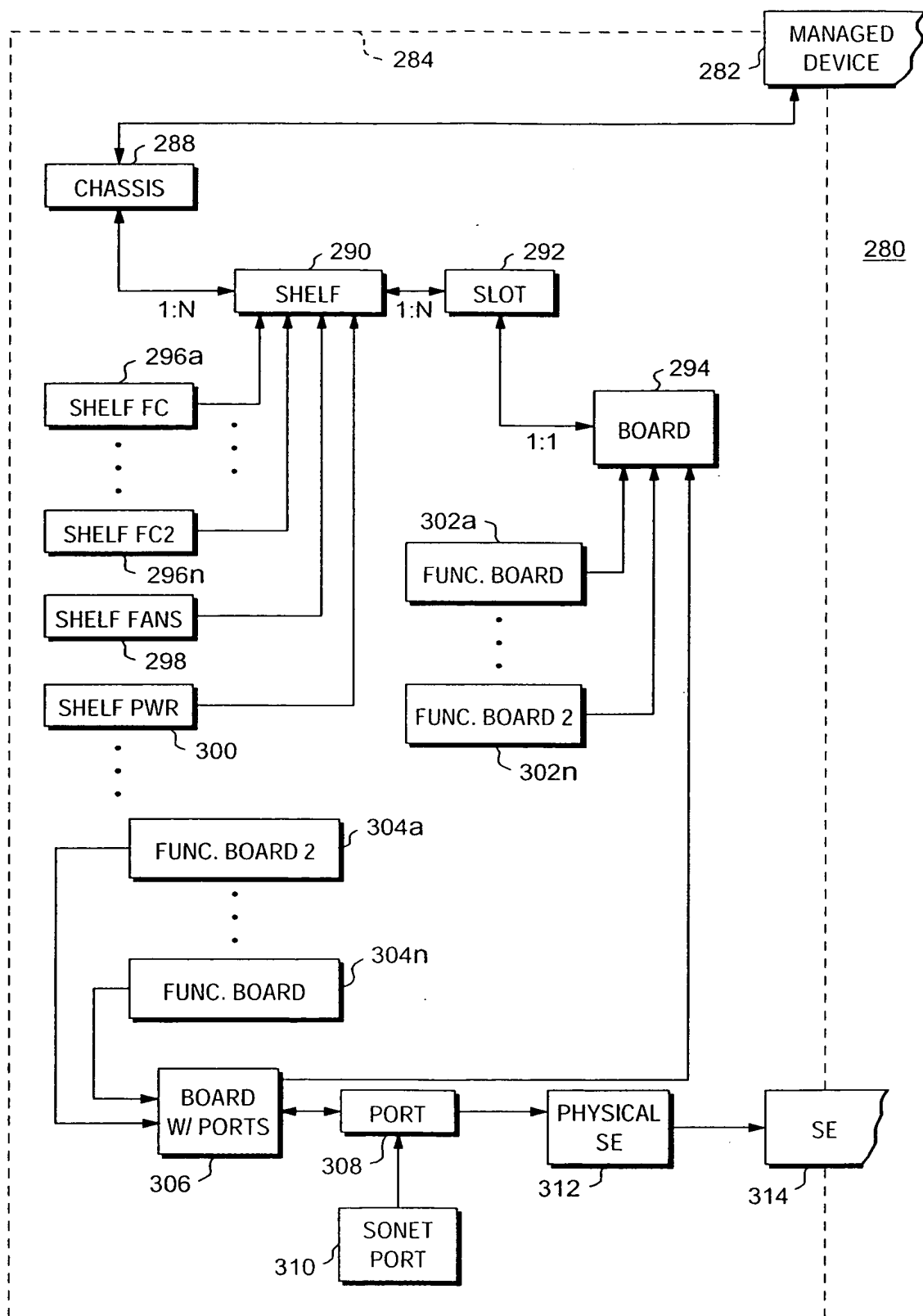


FIG. 3A

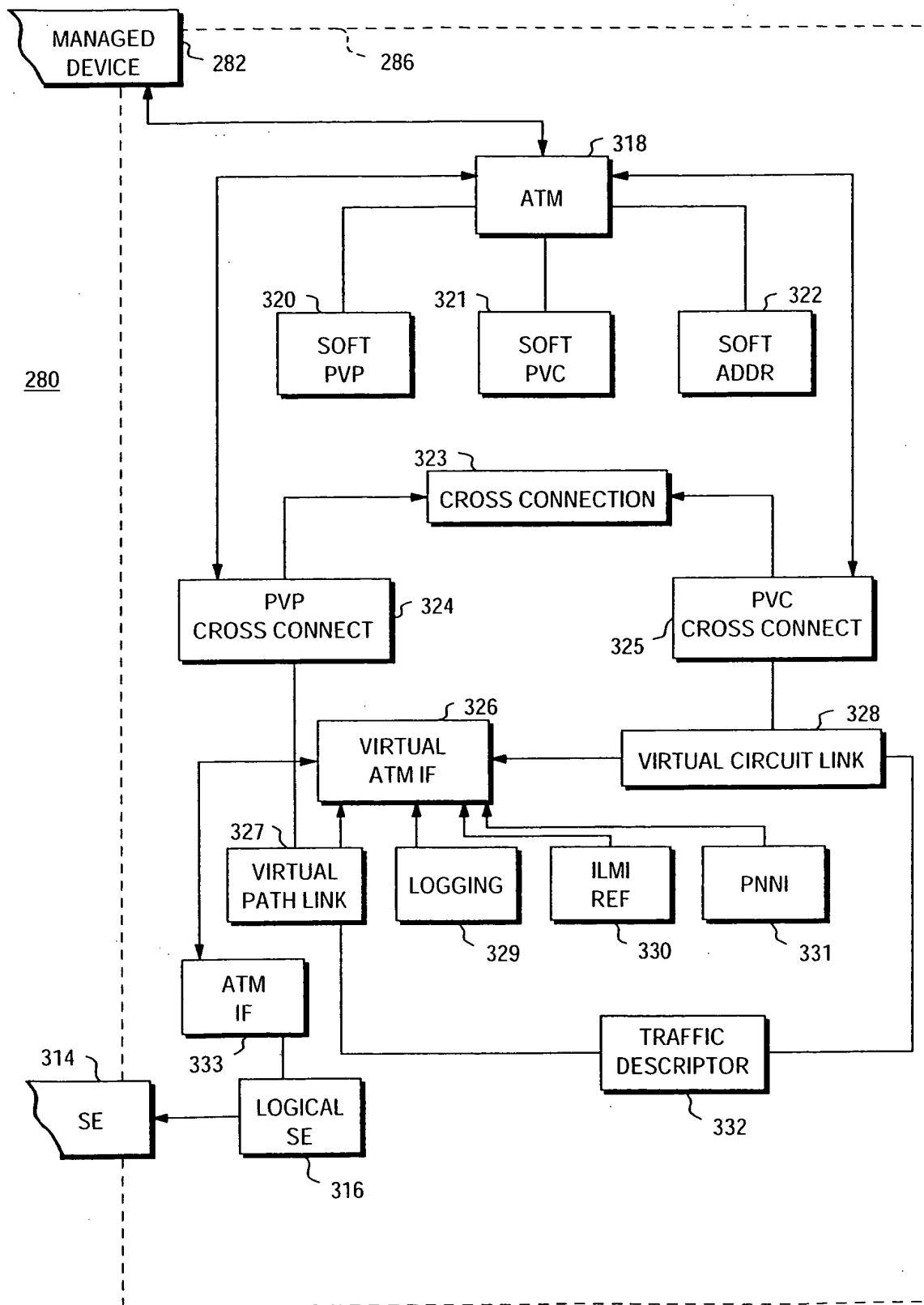
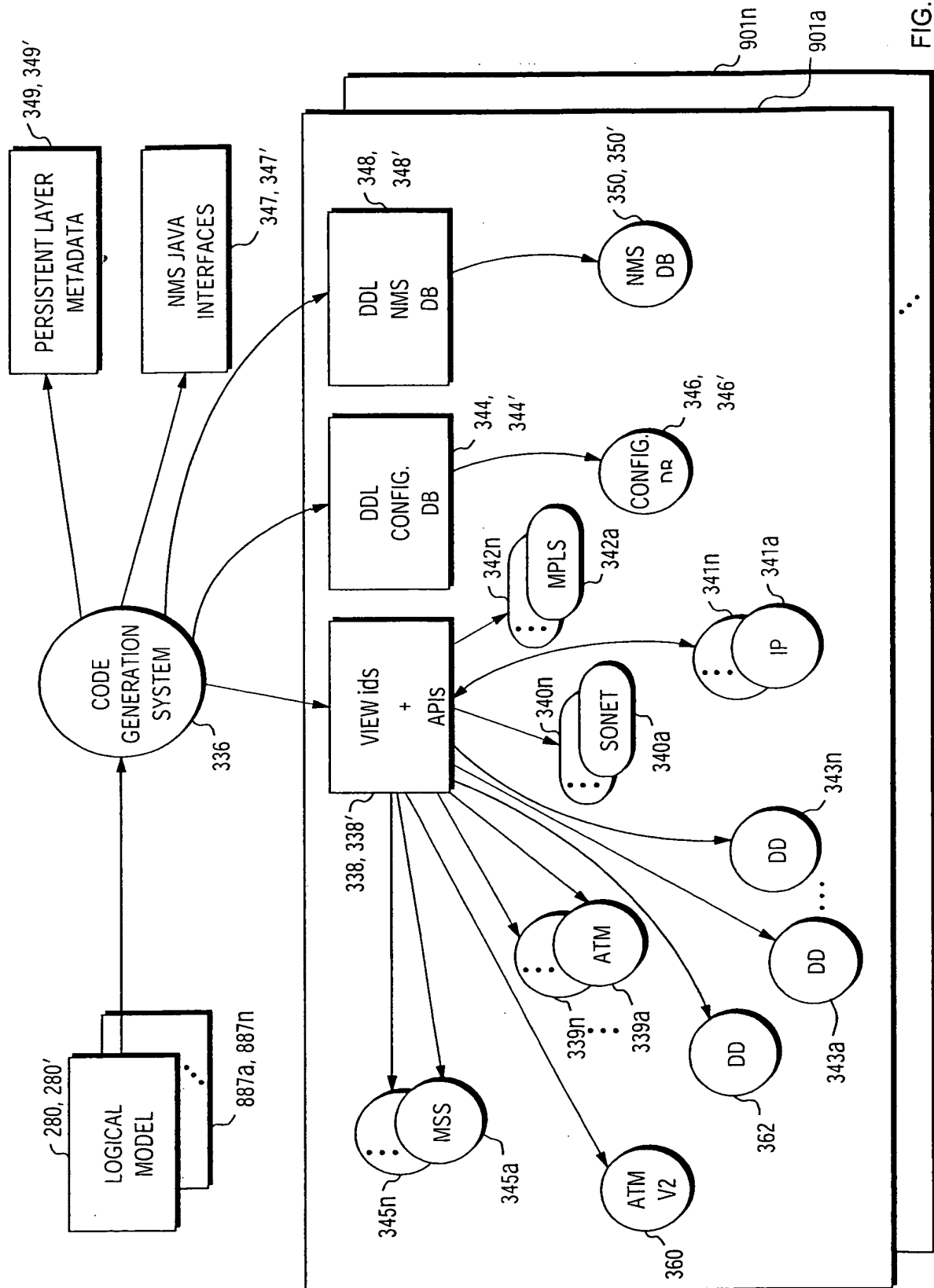


FIG. 3A CONTINUED



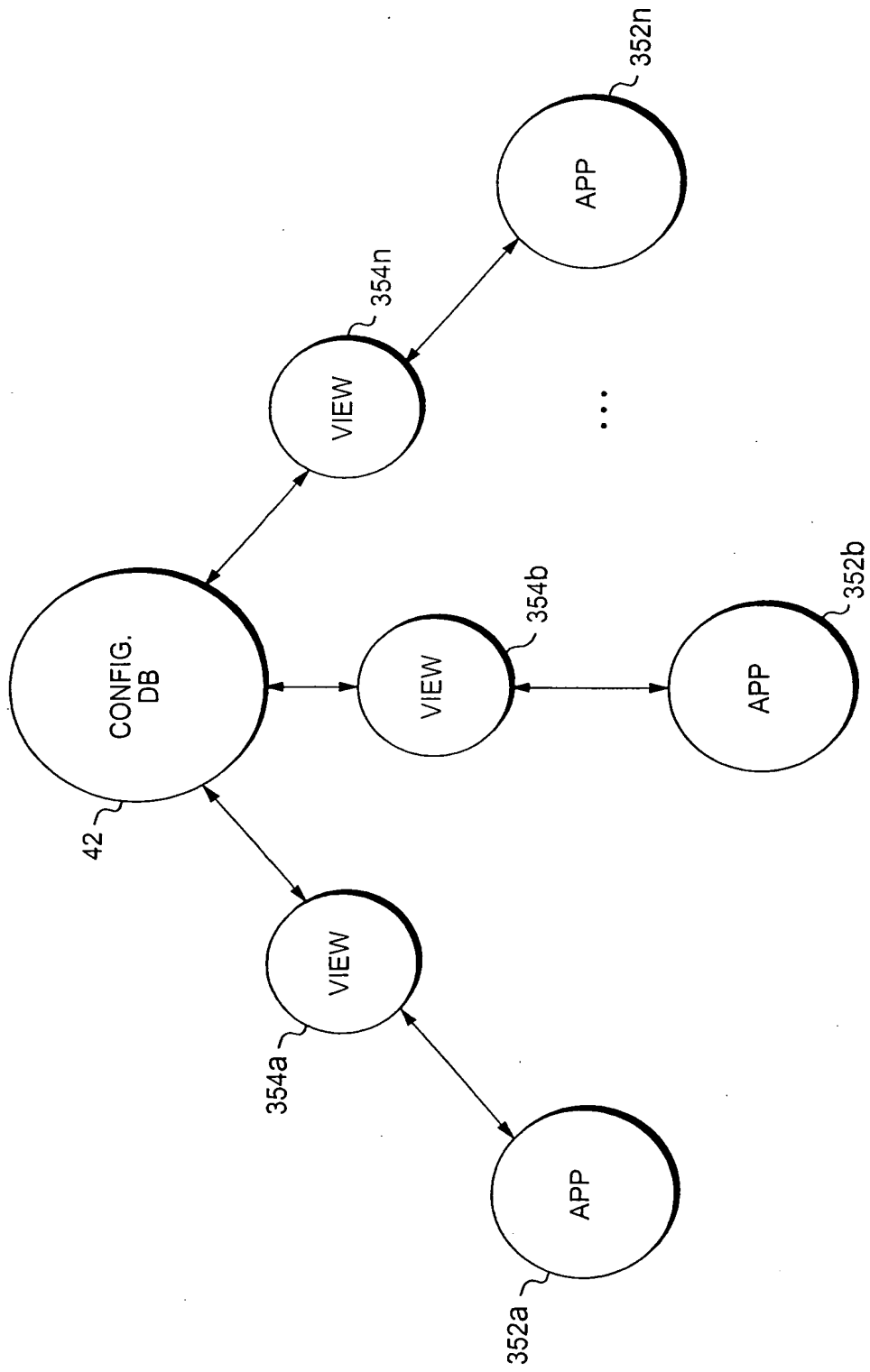


FIG. 3C

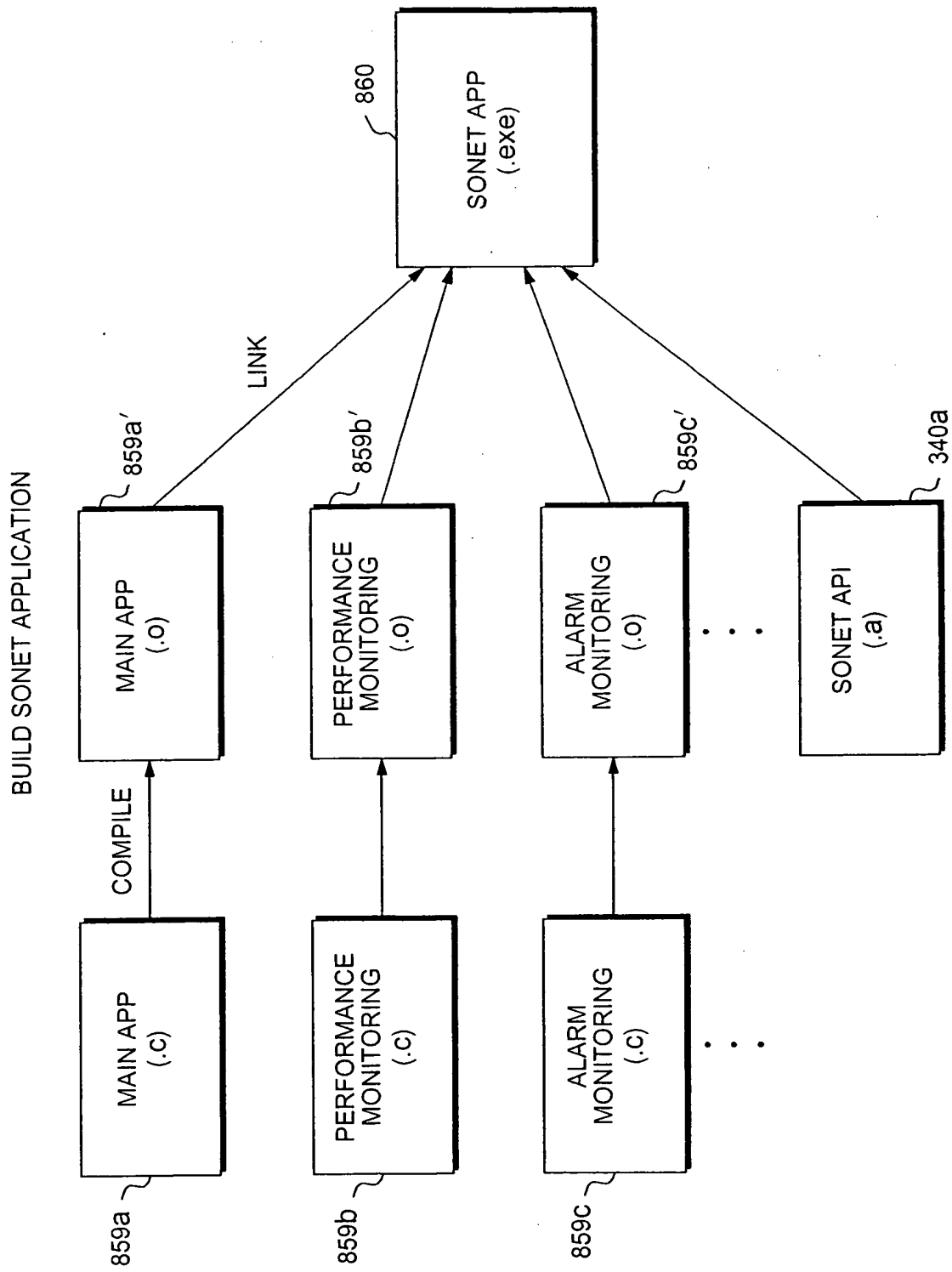


FIG. 3D

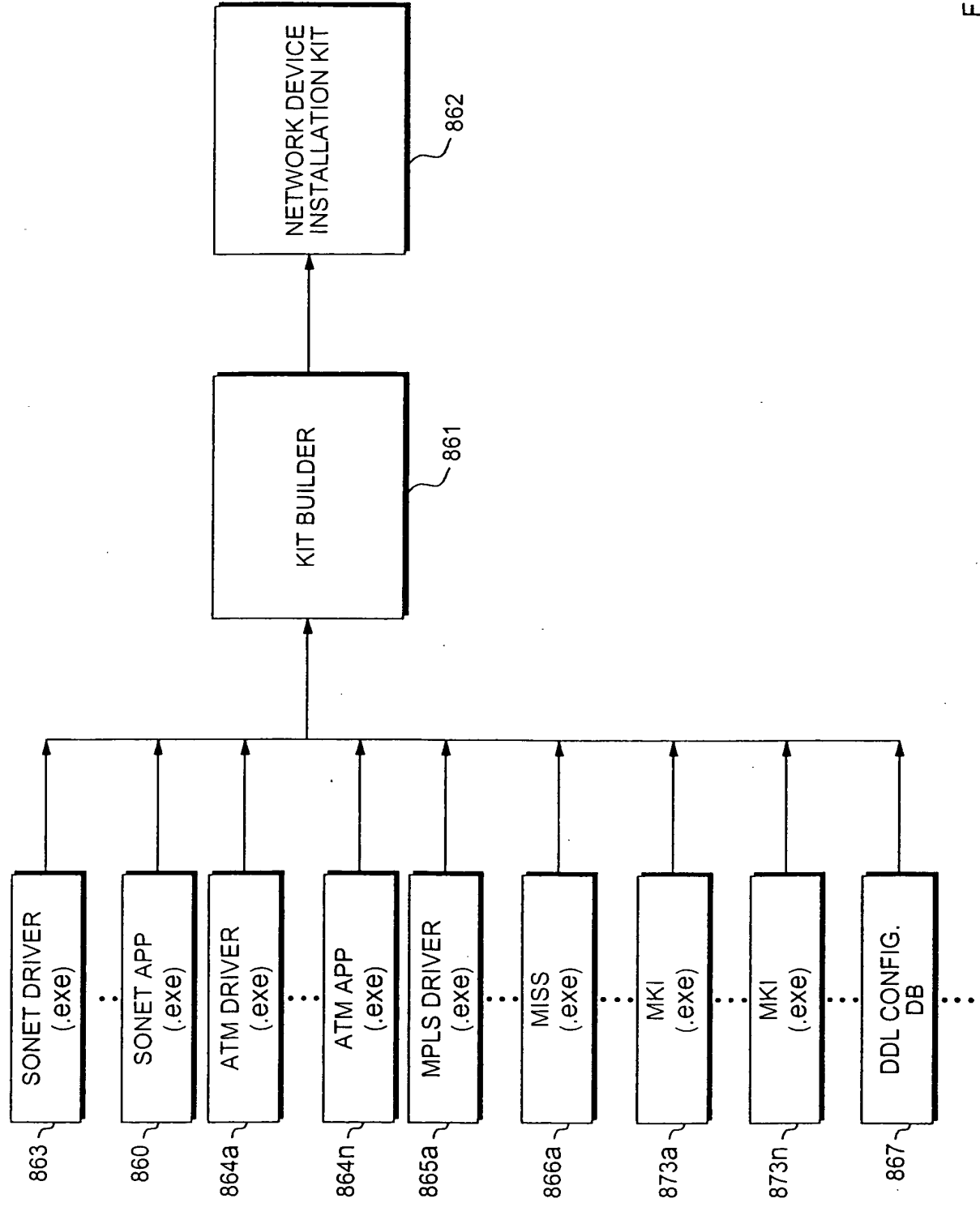


FIG. 3E

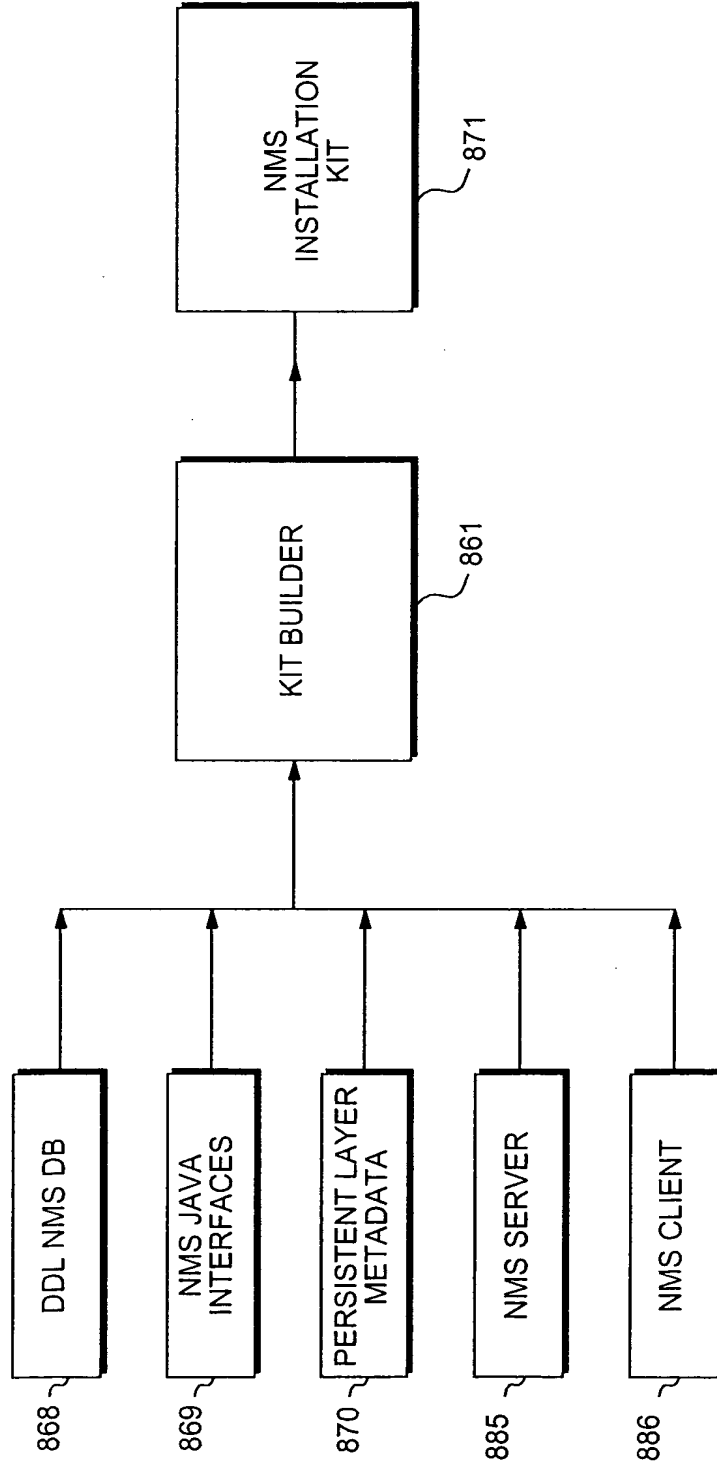


FIG. 3F

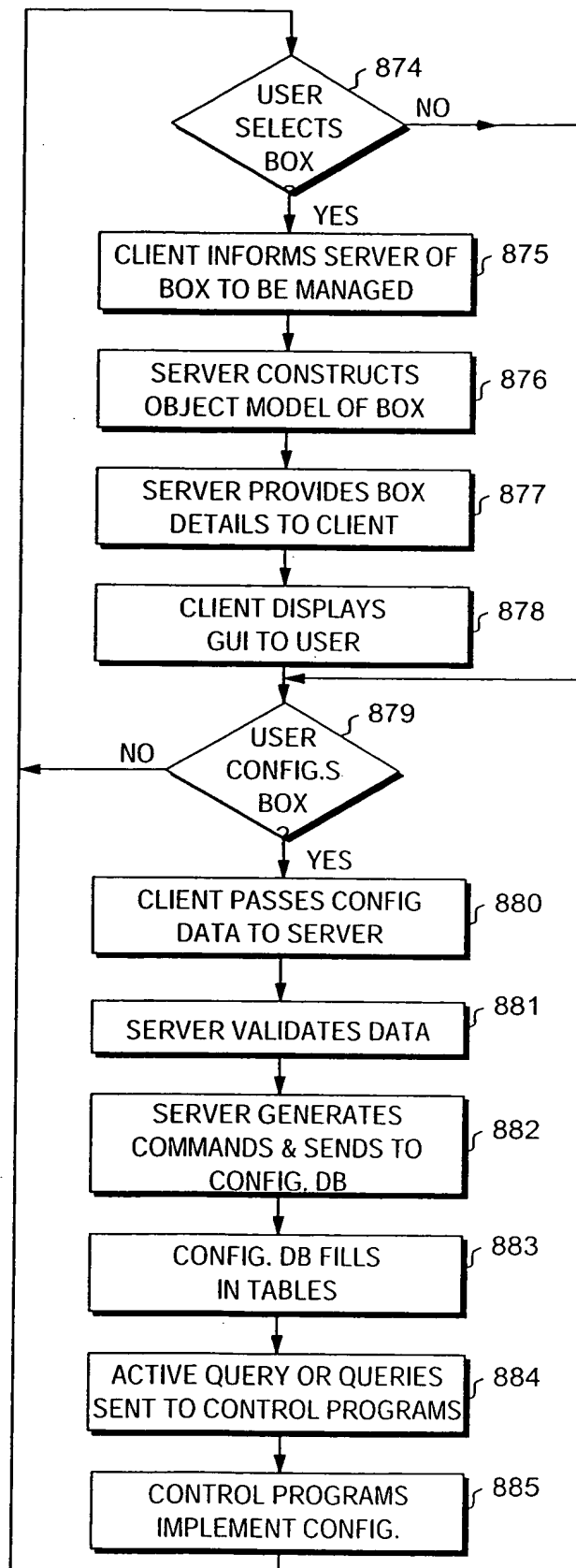


FIG. 3G

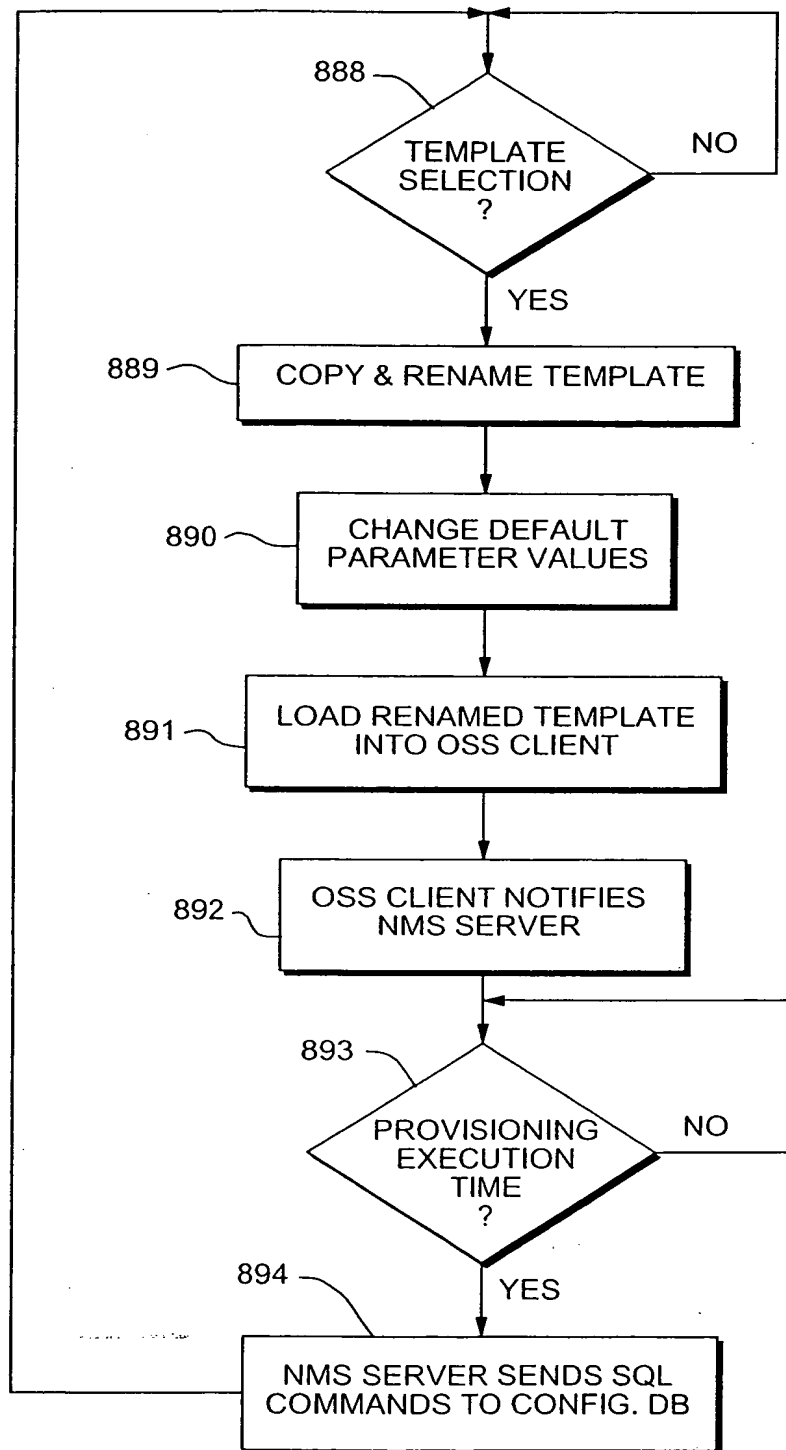


FIG. 3H

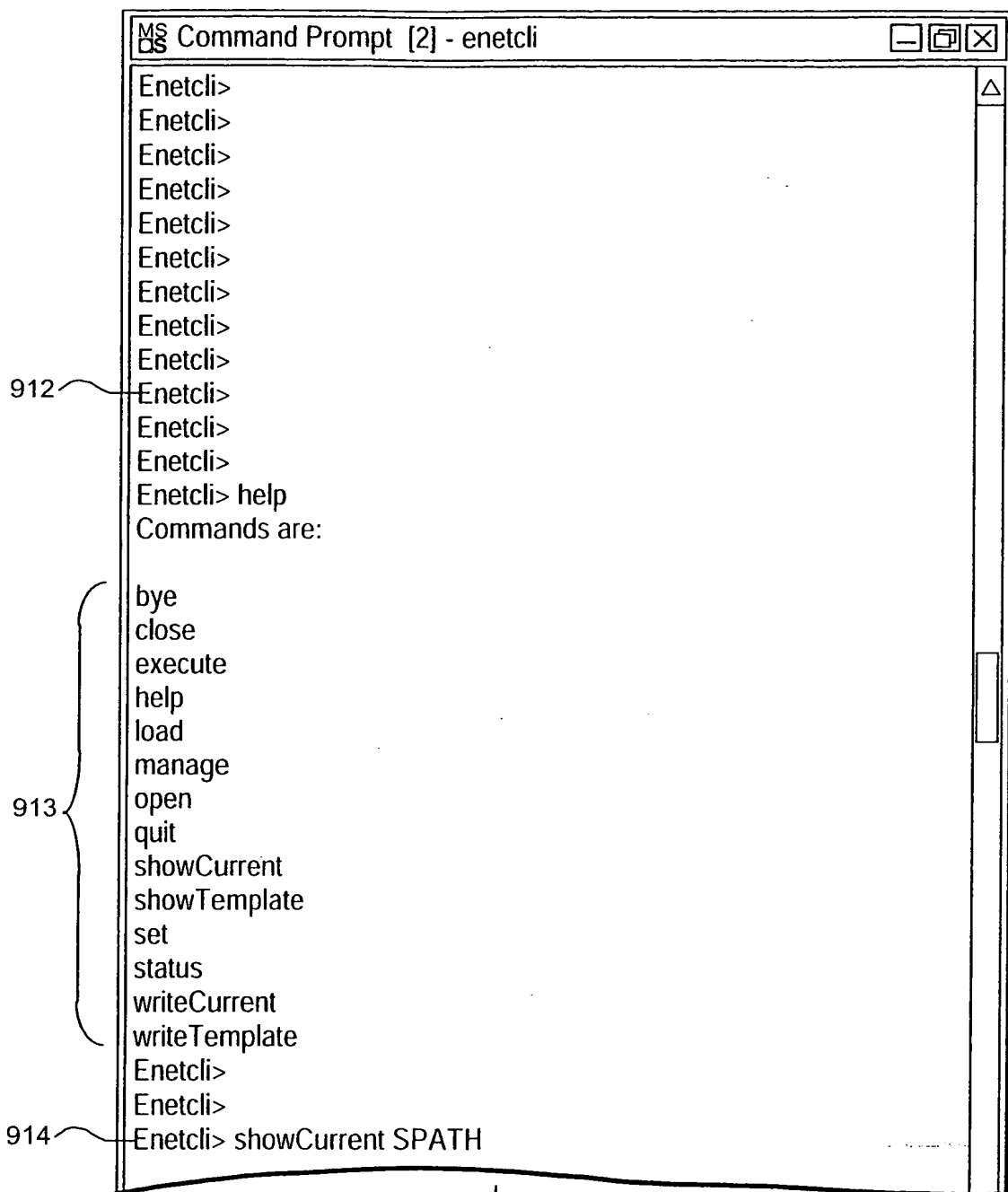


FIG. 3I

FROM FIG. 3I

```
915 { ATMIfName=ATMIf11/1/1
      Concatenated=false
      Name=Path11/1/1
      Operant=SPATH
      Operator=Create
      PortID=1
      Position=1
      Service=ATM
      ShelfID=11
      SlotID=1
      Type=Terminated
      Version=V1_1_0_0
      Width=STS3
      Enetcli>
      Enetcli>
      Enetcli>
916 { Enetcli> showTemplate SPATH
      ATMIfName=<String>[TerminatedOnly]
      Concatenated=<true:false>
      Name=<String>
      Operant=SPATH
      Operator=<Create:Replace:Update:Delete>
      PortID=<Integer><1-16>
917 { Position=<Integer>
      Service=<None :ATM>
      ShelfID=<11[top],13[bottom]>
      SlotID=<Integer><1-8>
      Type=<switched :Terminated>
      Version=V1_1_0_0
      Width=<STS1:STS3:STS12:STS48>
      Enetcli>
      Enetcli>
918 { Enetcli> status
919 { Not currently connected to server
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
      Enetcli>
```

FIG. 3I CONTINUED

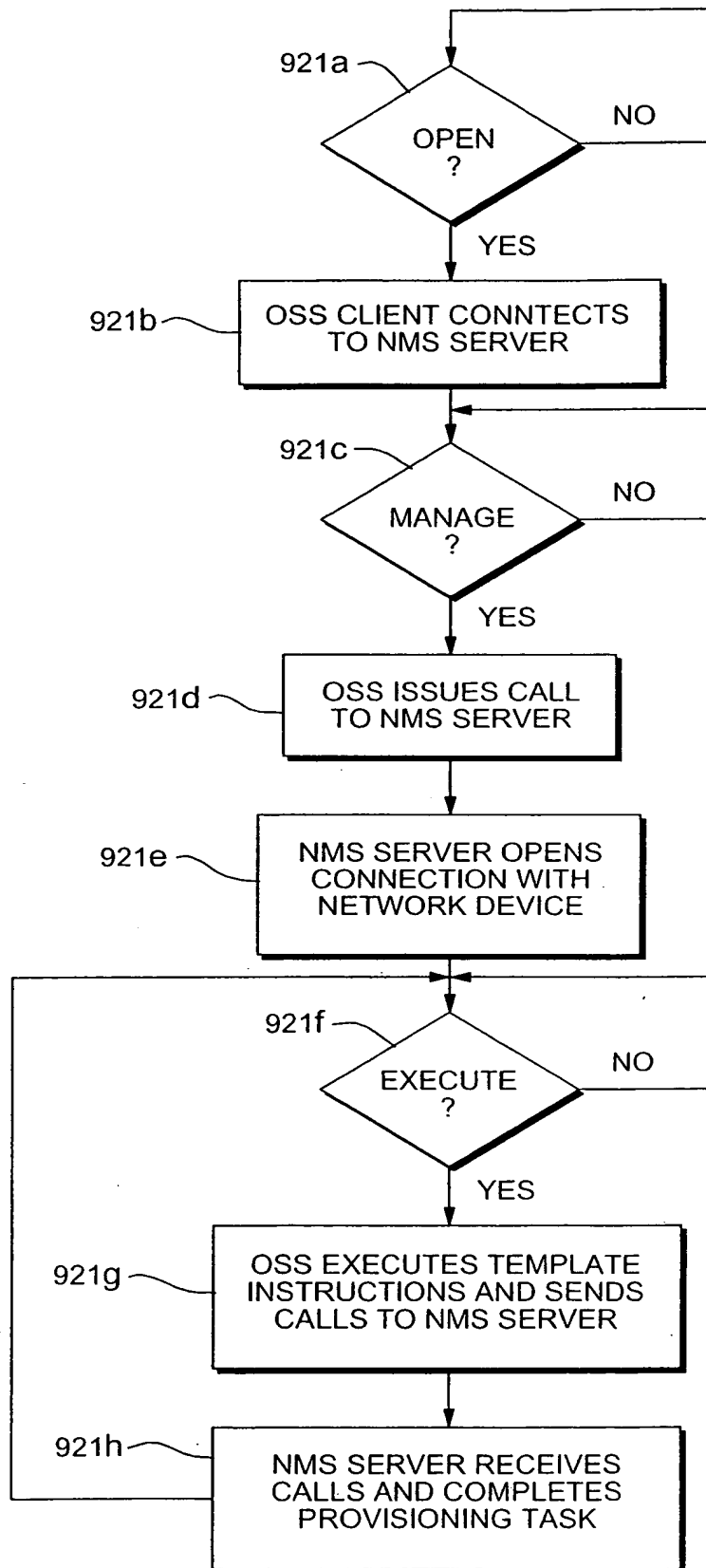


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K

BATCH
924
↙

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
924a ~ TASK1=execute-SPATH
924b ~ TASK2=execute-PVC
924c ~ TASK3=execute-SPVC
924d ~ TASK4=load-SPVC-spvc1
924e ~ TASK5=execute-SPVC
924f ~ TASK6=load-SPVC-spvc2
924e ~ TASK7=execute-SPVC
.
.
924g ~ TASK50=set-SPATH-PortID-3
924h ~ TASK51=execute-SPATH
924i ~ TASK52=set-SPATH-SlotID-2
924j ~ TASK53=execute-SPATH

FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 3M

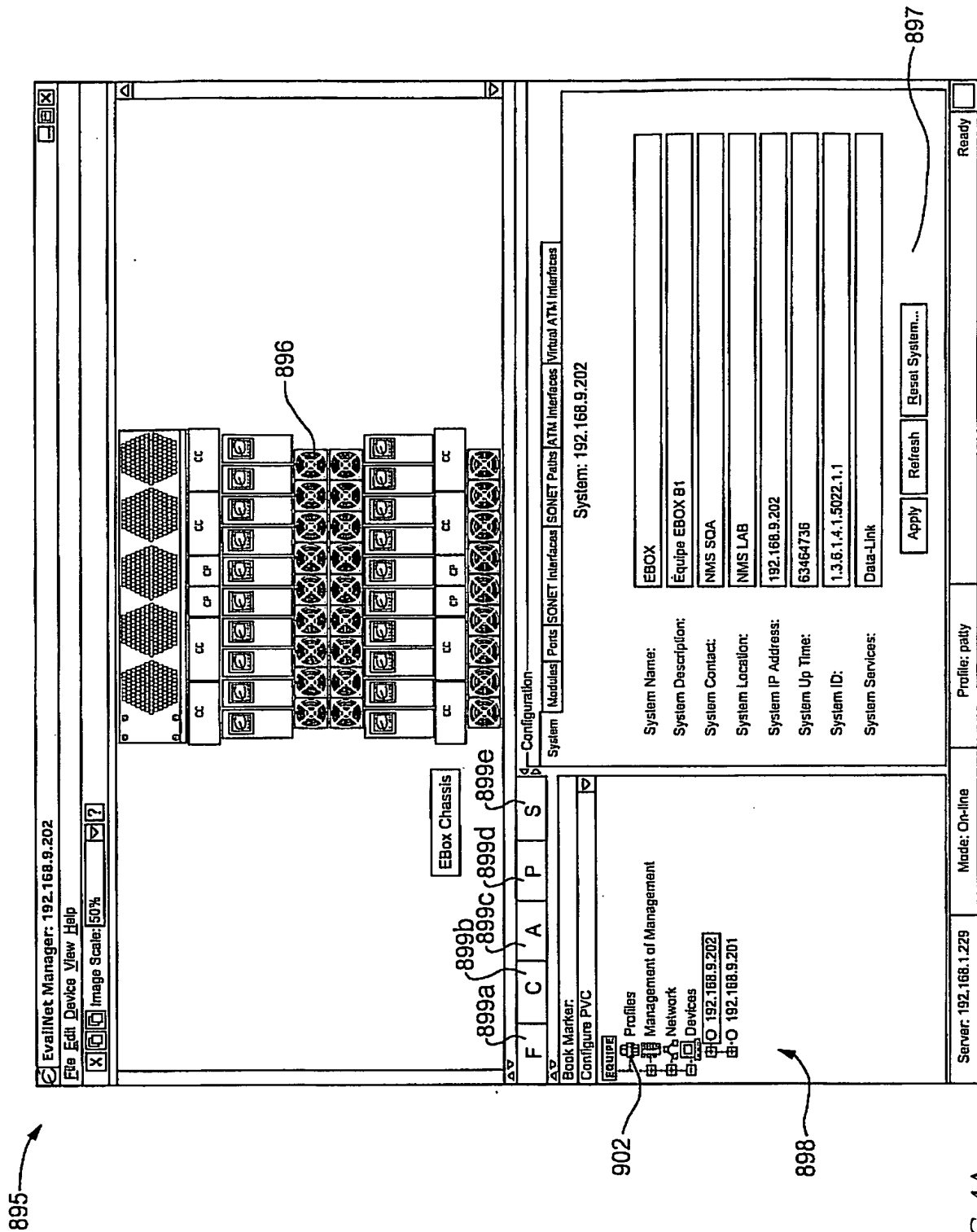


FIG. 4A

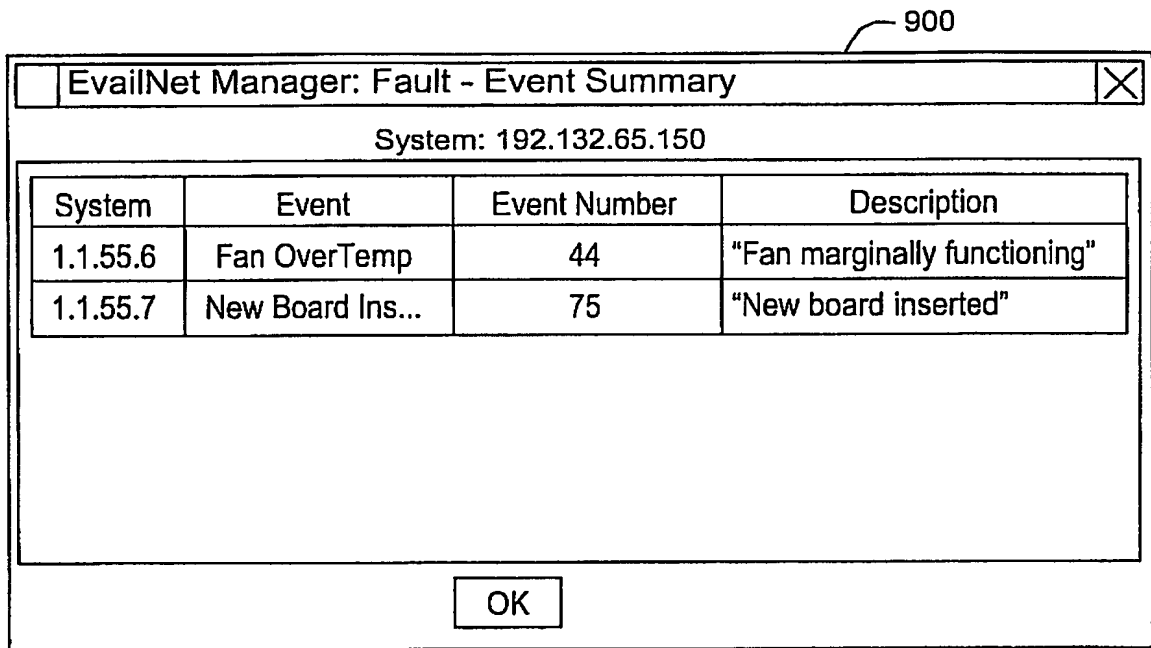


FIG. 4B

| EVALINet Manager: 192.168.9.202 | | | | | |
|---|--|---------------|--|----------|--|
| File Edit Device View Help | | | | | |
| X Image Scale: 50% | | | | | |
| <div>Security SHMP Configuration Changes System: 192.168.9.202 SHMP Community Strings READ Community: public READWRITE Community: public Command Line Interpreter (CLI) Administrator Password: root <div>Apply</div></div> | | | | | |
| <div>Book Marks Configure PVC</div> | | | | | |
| <div>EQUIPE Profiles Management of Management</div> | | | | | |
| Server: 192.168.9.202 | | Mode: On-line | | Profile: | |

FIG. 4C

903

Profiles

System: 192.132.60.150

Profile Manager

| Name | Description | Security Level | Timeout | Primary Server | Secondary Server |
|-------|----------------|----------------|---------|--------------------|--------------------------|
| Joe | Joe Whitehouse | Admin | 15 | 192.168.1.32 | 192.168.1.32 |
| Wayne | Wayne Arena | Provisioner | 15 | TeamServer1:192... | TeamServer2:192.168.1.32 |

Add

Delete...

Refresh

Copy

904

905

906

FIG. 4D

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

FIG. 4E

FIG. 4E Continued

FROM
FIG. 11B

Servers

Primary Server:

192.168.1.220

6500

192.168.1.221

6503

Primary Server Port:

Secondary Server:

Secondary Server Port:

Devices

| Device | READ | READ/WRITE | Retry | Timeout |
|---------------|--------|------------|-------|---------|
| 192.168.9.202 | public | equipe | 3 | 3 |
| 192.168.9.205 | public | equipe | 3 | 3 |
| 192.168.9.216 | public | equipe | 3 | 3 |

908g

908p

908q

908r

908s

Add

Delete

908t

OK

Cancel

FIG. 4E Continued

General

Policies

Servers

Devices

Username:

Description:

Customer Name:

Group Level Access:

Password:

Confirm Password:

Kevin

Kevin Snow user account

Equipe

☒

908t ~

OK

Cancel

FIG. 4F

—

×

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout:

15

Minutes

908t

OK

Cancel

FIG. 4G

—

×

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t ~

OK

Cancel

FIG. 4H

-

□

✕

General

Policies

Servers

Devices

| Device | READ | READ/WRITE | Retry | Timeout | Trap Port |
|---------------|--------|------------|-------|---------|-----------|
| 192.168.9.202 | public | equipe | 3 | 3 | 162 |
| 192.168.9.205 | public | equipe | 3 | 3 | 162 |
| 192.168.9.216 | public | equipe | 3 | 3 | 5012 |

Add

Delete

▽

△

908t ~

OK

Cancel

FIG. 4I

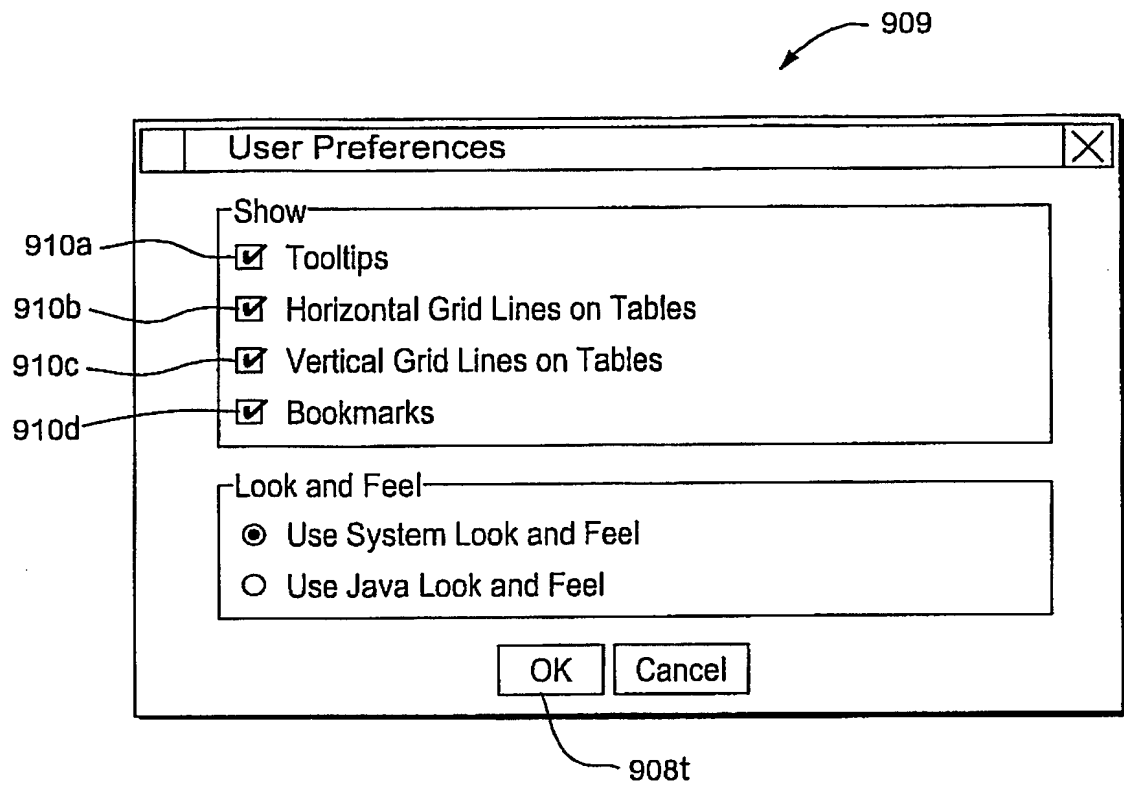


FIG. 4J

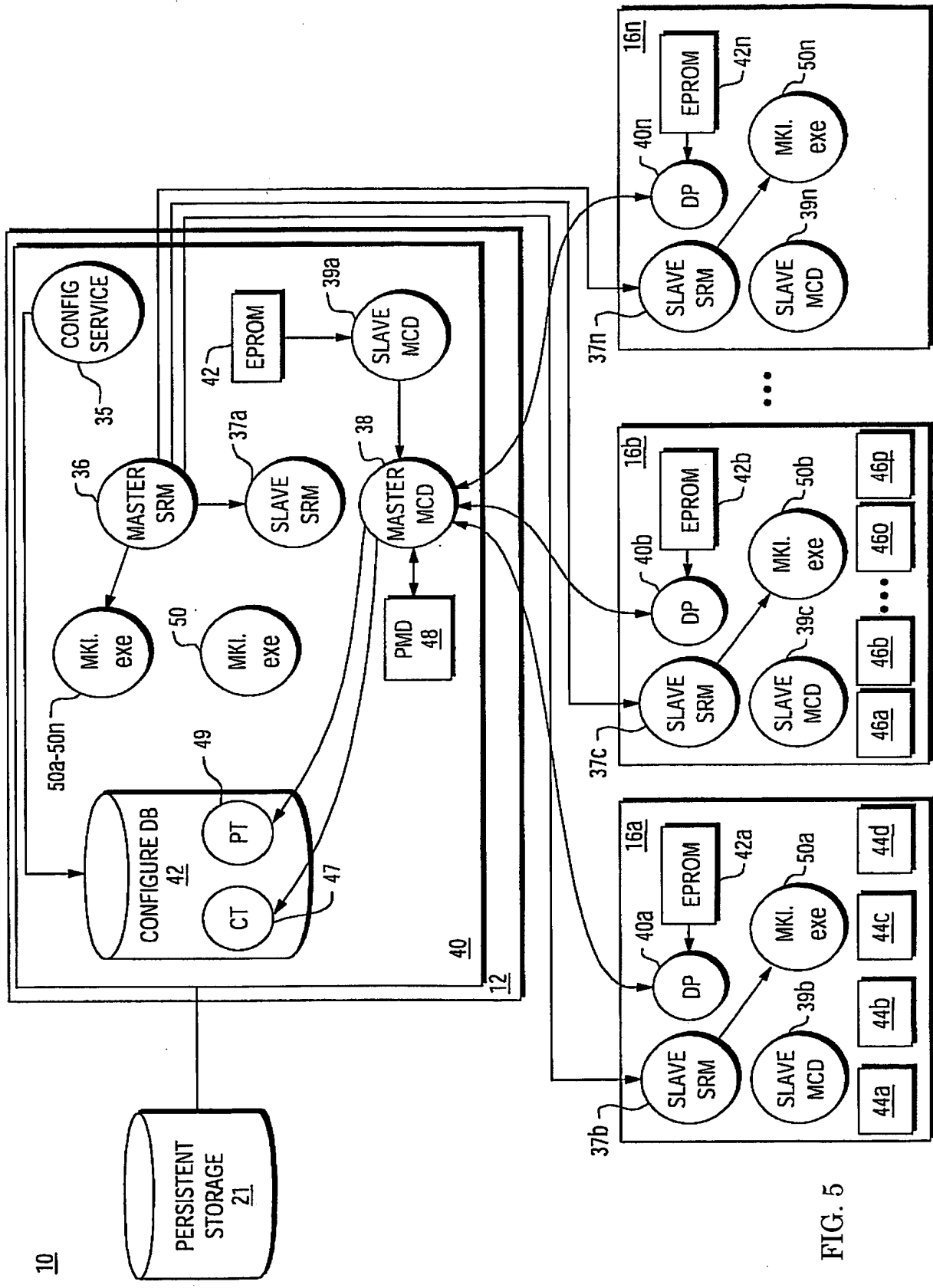


FIG. 5

CARD TABLE 47

| | PID | CWD TYPE | VERSION NO. | SLOT NO. | ... |
|-----|-----|----------|-------------|----------|-----|
| 16a | 500 | 0XF002 | 3 | 1 | |
| 16b | 501 | 0XF002 | 4 | 2 | |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 16e | 505 | 0X6002 | 1 | 5 | |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 16n | 513 | 0XF002 | 1 | 12 | |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 6

PORT TABLE 49

| | PID | PORT TYPE | VERSION NO. | SLOT NO. | ... |
|-----|------|-----------|-------------|----------|-----|
| 44a | 1500 | 00620 | 1 | 1 | |
| 44b | 1501 | 00620 | 1 | 1 | |
| 44c | 1502 | 00620 | 1 | 1 | |
| 44d | 1503 | 00620 | 1 | 1 | |
| 44a | 1504 | 00820 | | | |
| 46a | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| | 1600 | 00620 | 1 | 8 | |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 7

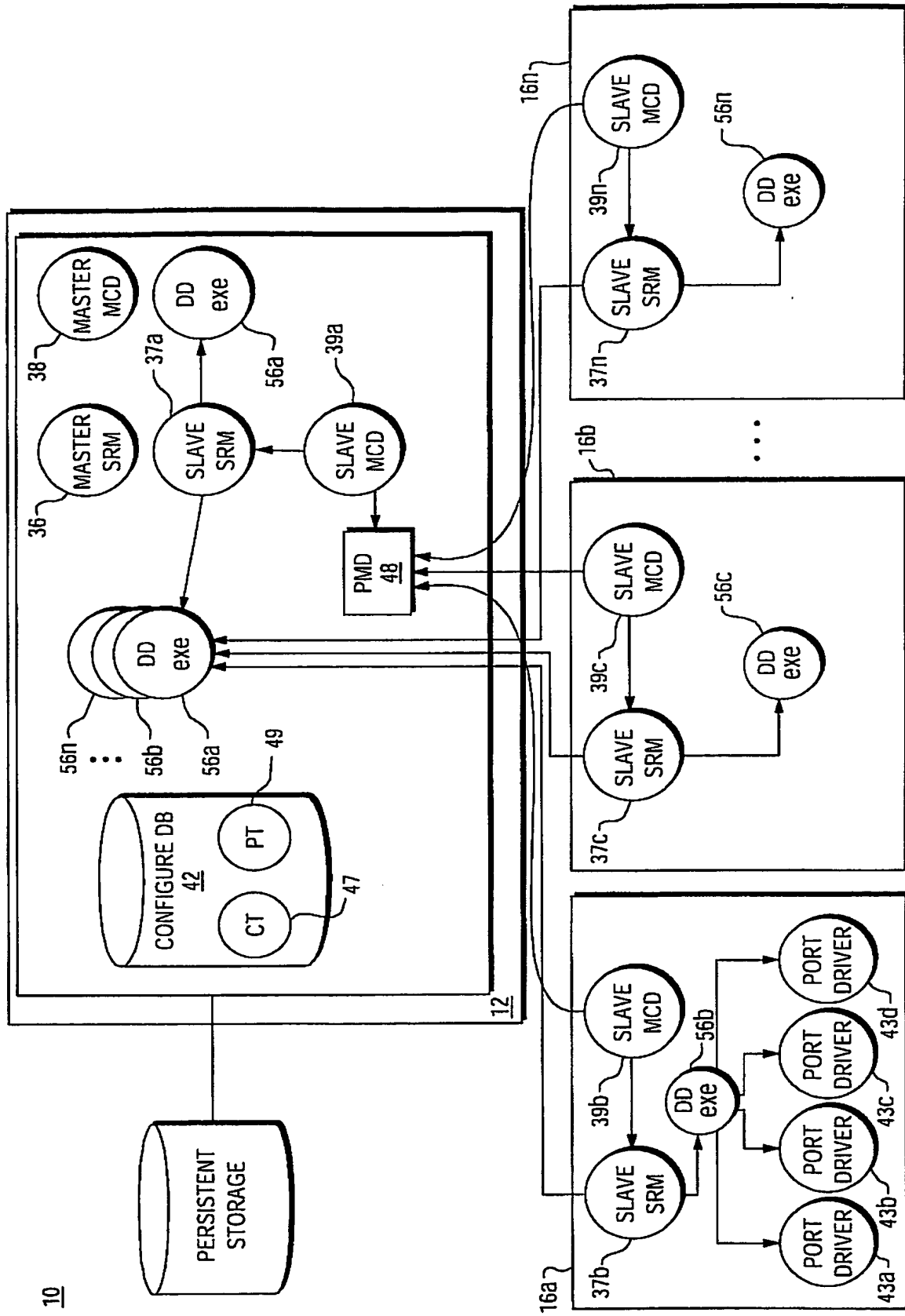


FIG. 8

FIG. 9

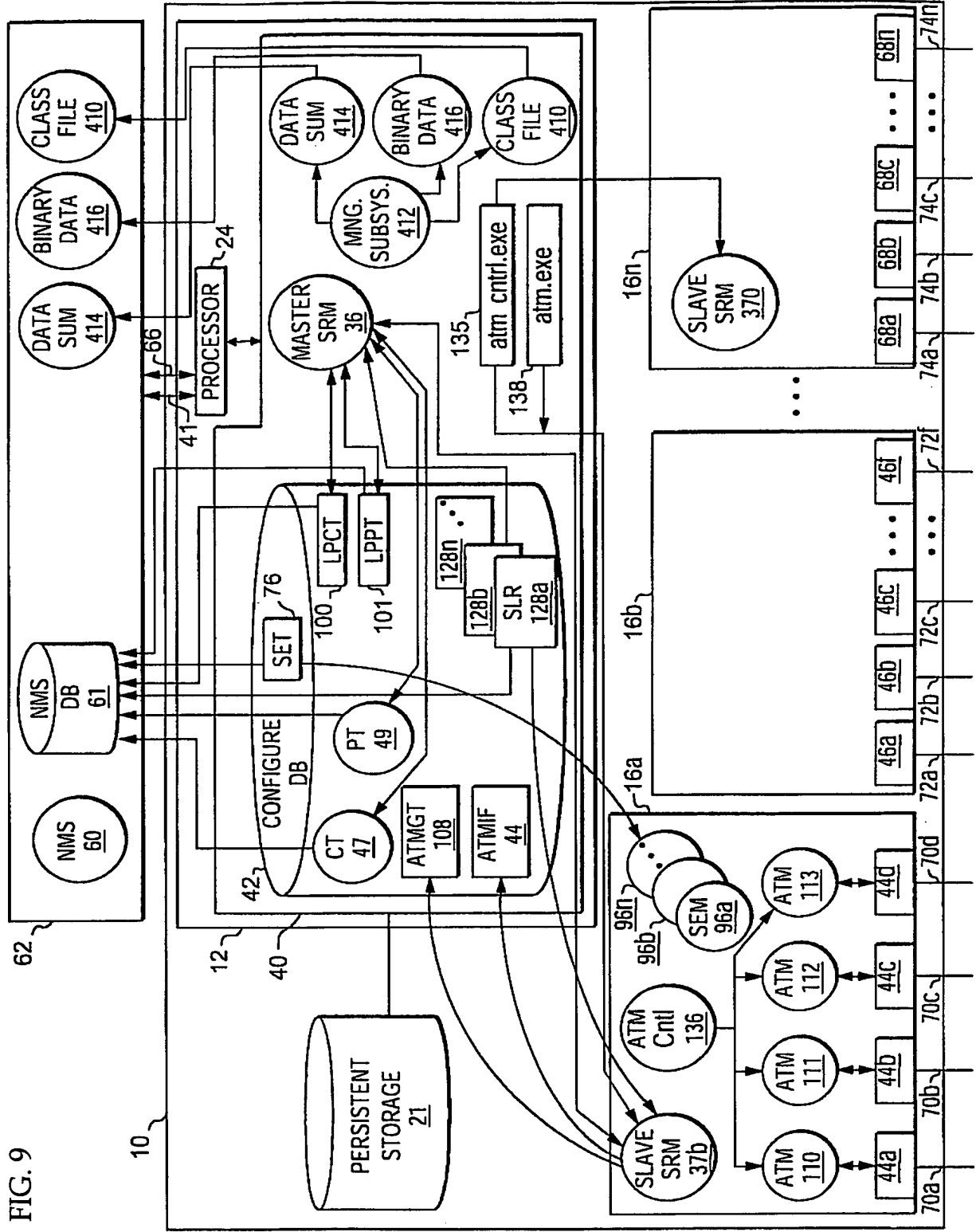


FIG. 10

SERVICE ENDPOINT TABLE 76

| | SERVICE ENDPOINT # | PORT PID |
|-----|-----------------------|----------|
| 78 | 1 | 1500 |
| 80 | 2 | 1501 |
| 82 | 3 | 1501 |
| 84 | 4 | 1501 |
| 86 | 5 | 1502 |
| 88 | 6 | 1502 |
| 90 | 7 | 1503 |
| 92 | 8 | 1503 |
| 94 | 9 | 1503 |
| 168 | 10 | 1502 |
| | ⋮ | ⋮ |
| | ⋮ | ⋮ |
| | ⋮ | ⋮ |

FIG. 11A

LOGICAL TO PHYSICAL CARD TABLE 100

| | 98 LID | 102 PRIMARY PID | 104 BACK-UP PID |
|-----|-----------|-----------------------|-----------------------|
| 106 | 30 | 500 | 513 |
| 109 | 31 | 501 | 513 |
| | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ |

FIG. 11B

LOGICAL TO PHYSICAL PORT TABLE 101

| | 98 LID | 102 PRIMARY PID | 104 BACK-UP PID |
|-----|-----------|-----------------------|-----------------------|
| 107 | 40 | 1500 | 1600 |
| | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ |
| | ⋮ | ⋮ | ⋮ |

FIG. 14C

FIG. 12

ATM GROUP TABLE 108

| GROUP # | CARD LID | ... |
|---------|----------|-----|
| 1 | 30 | |
| 2 | 30 | |
| 3 | 30 | |
| 4 | 30 | |

FIG. 13

ATM INTERFACE TABLE 114

| ATM IF | ATM GROUP | SE | ... |
|--------|-----------|----|-----|
| 1 | 1 | 1 | |
| 2 | 1 | 1 | |
| 3 | 1 | 1 | |
| 4 | 2 | 2 | |
| 5 | 2 | 3 | |
| 6 | 2 | 4 | |
| ⋮ | ⋮ | ⋮ | ⋮ |
| 12 | 3 | 10 | |
| ⋮ | ⋮ | ⋮ | ⋮ |

170

FIG. 14

SOFTWARE LOAD RECORD 128a

| | | | |
|-----|--------------|-----|-----|
| 130 | CONTROL SHIM | LID | 132 |
| 134 | atm-cntl.exe | 30 | |

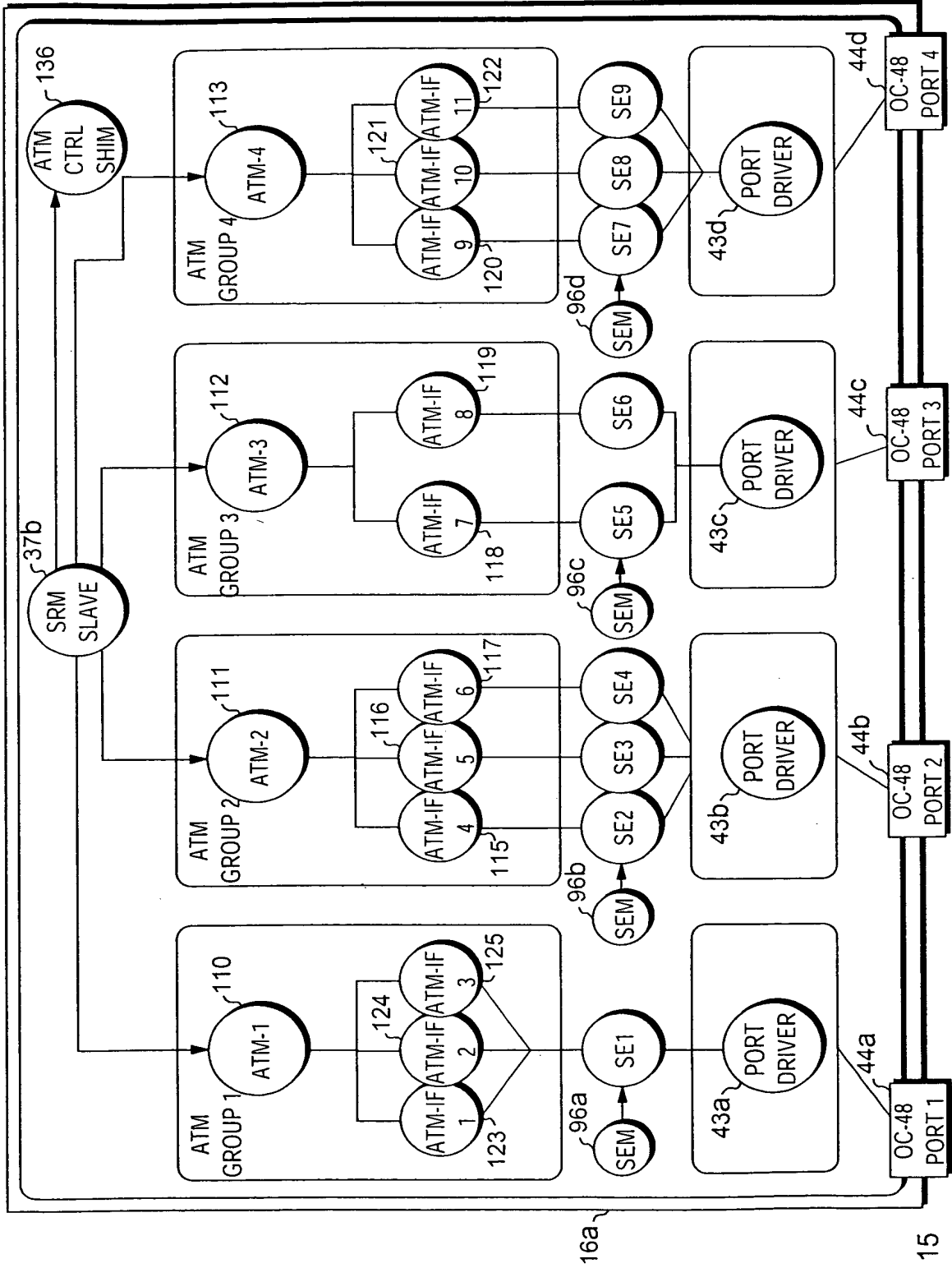


FIG. 15

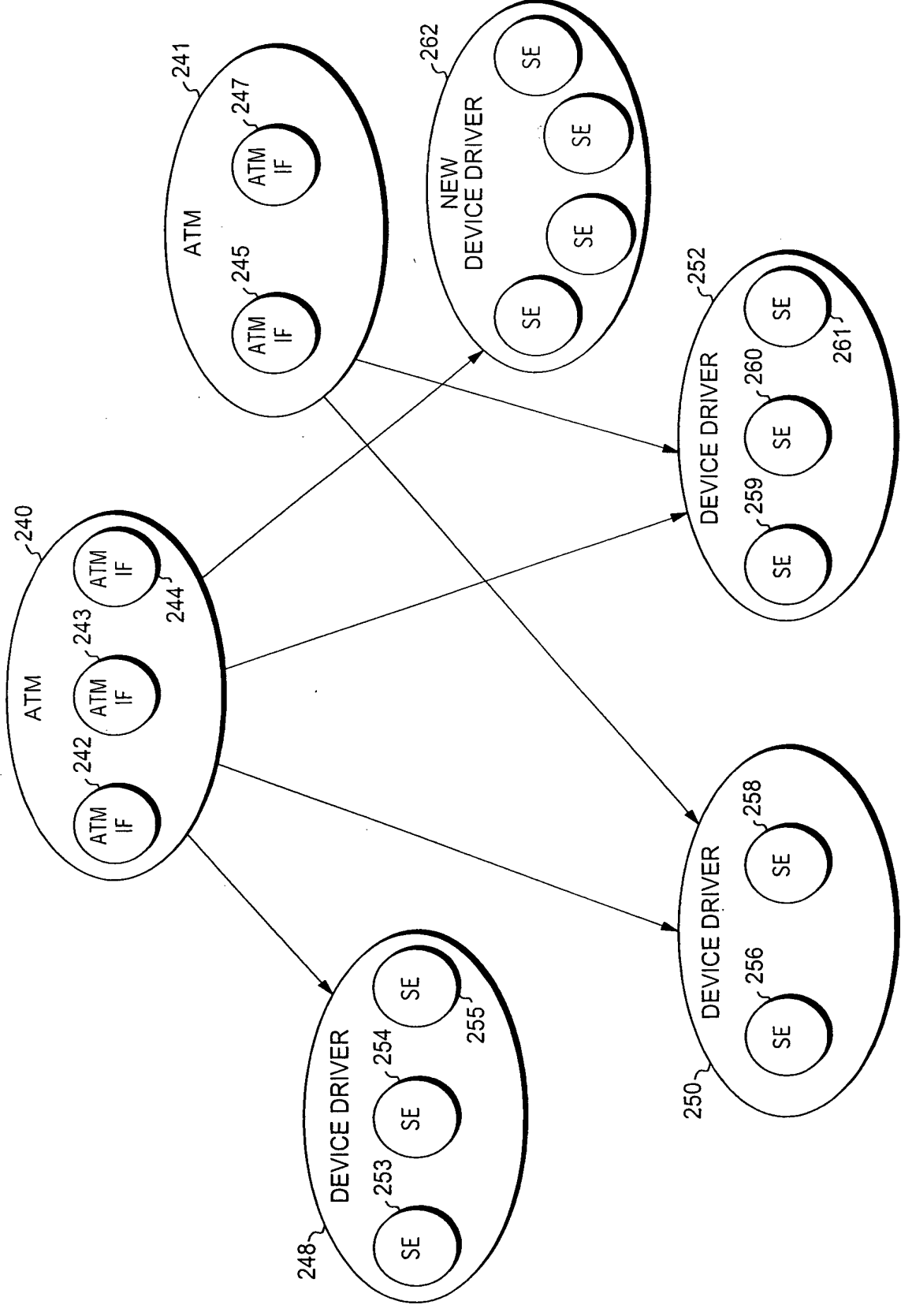


FIG. 16A

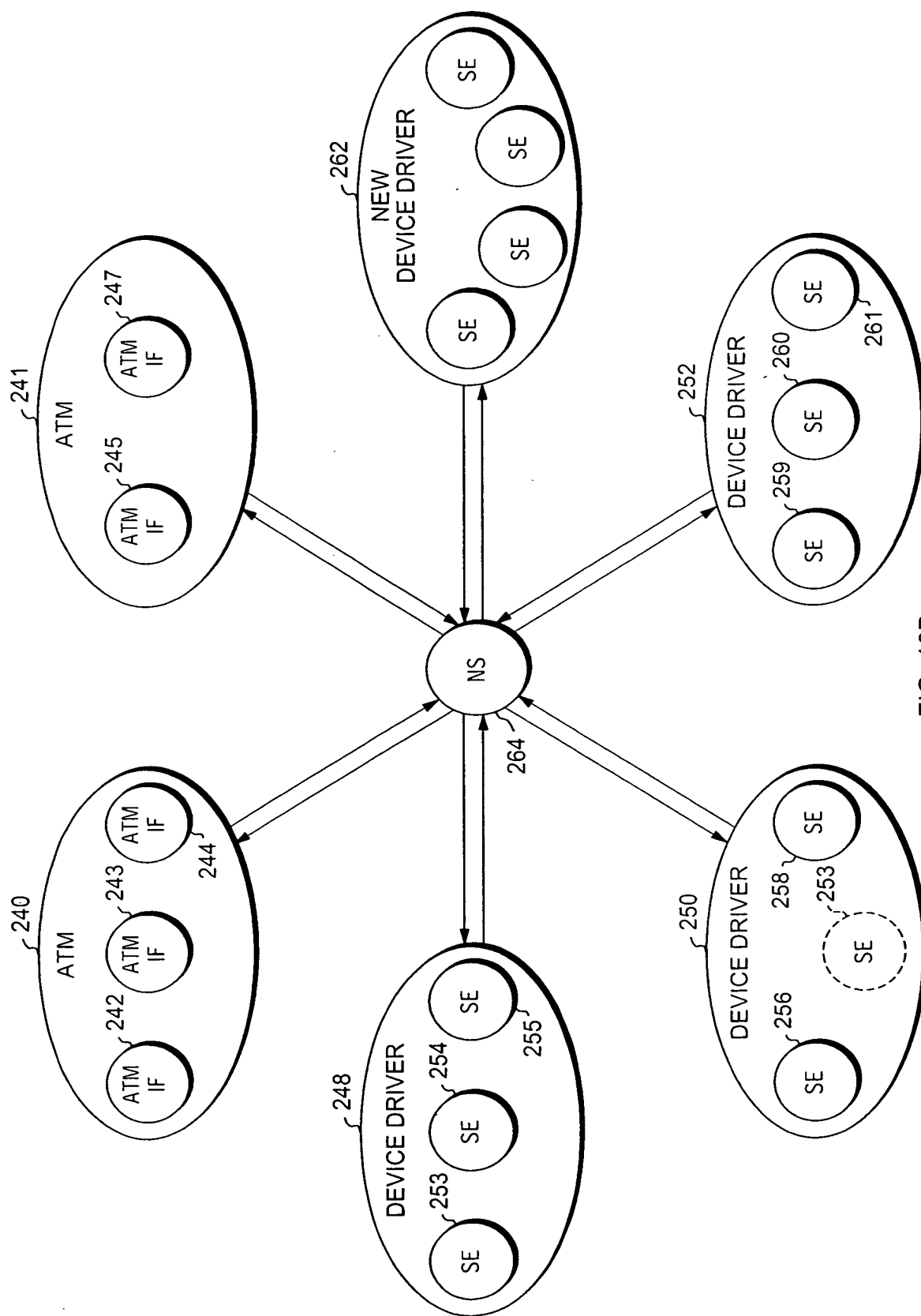


FIG. 16B

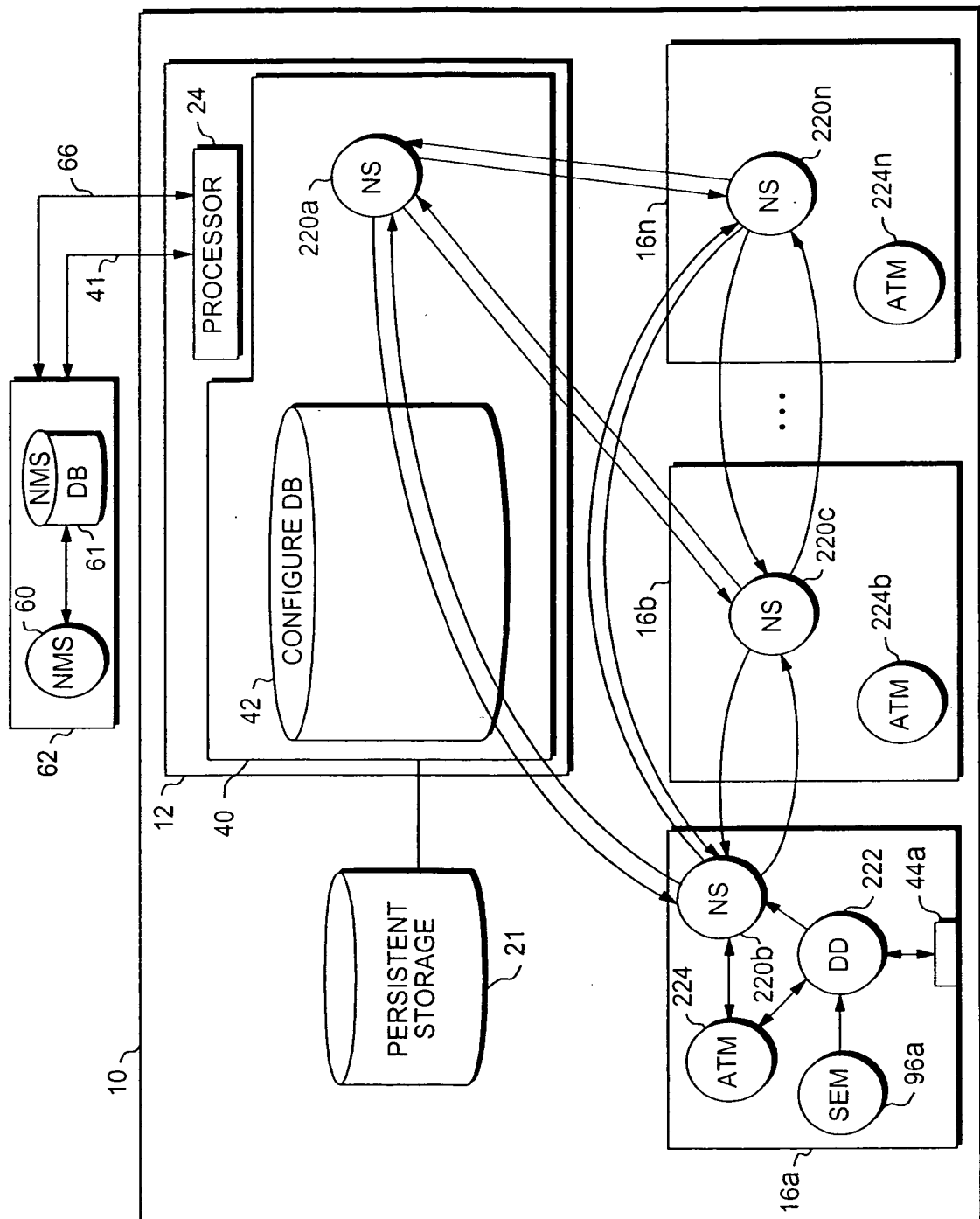


FIG. 16C

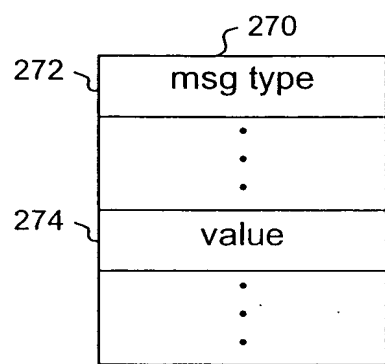
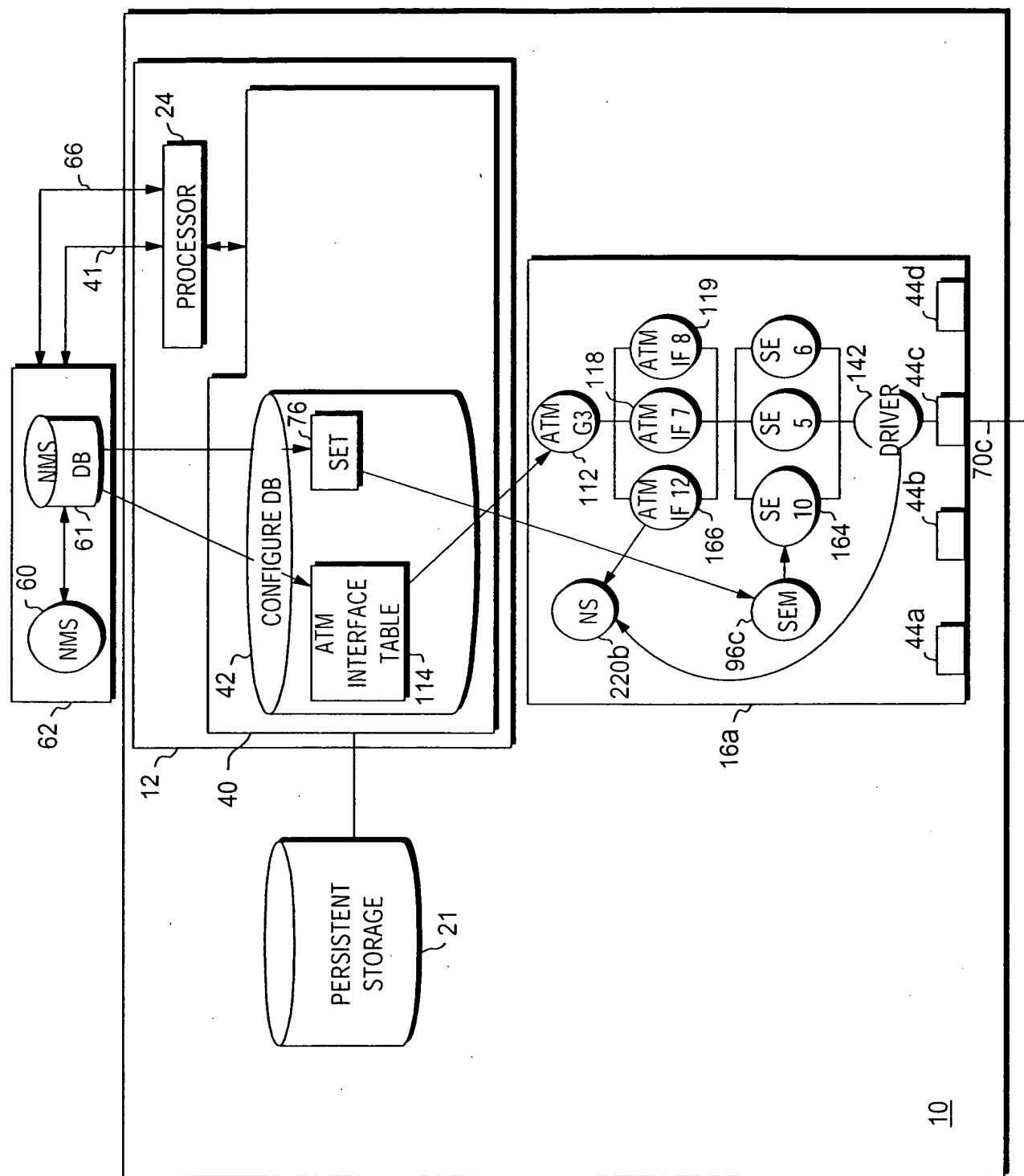
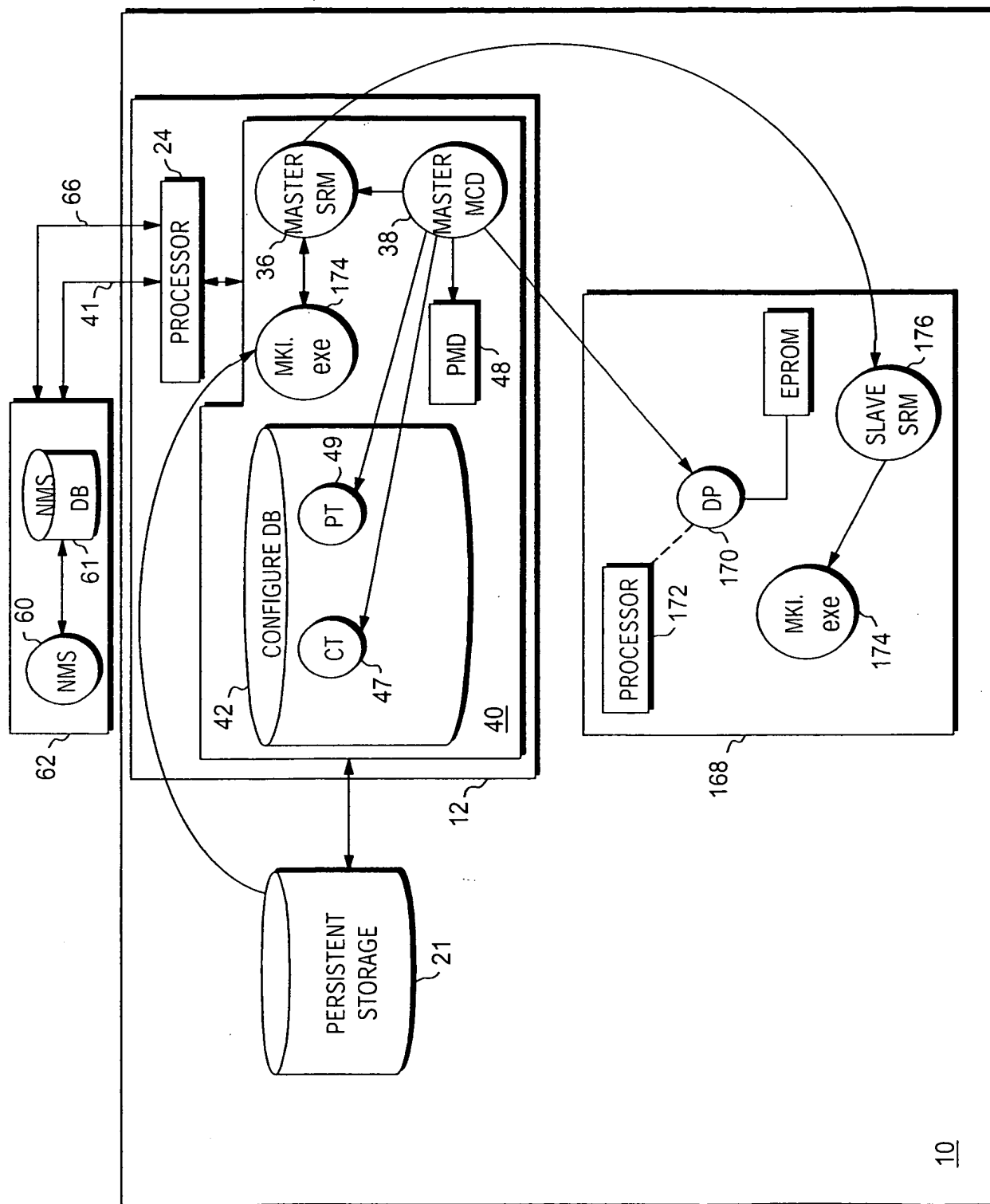


FIG. 16D





10

FIG. 18

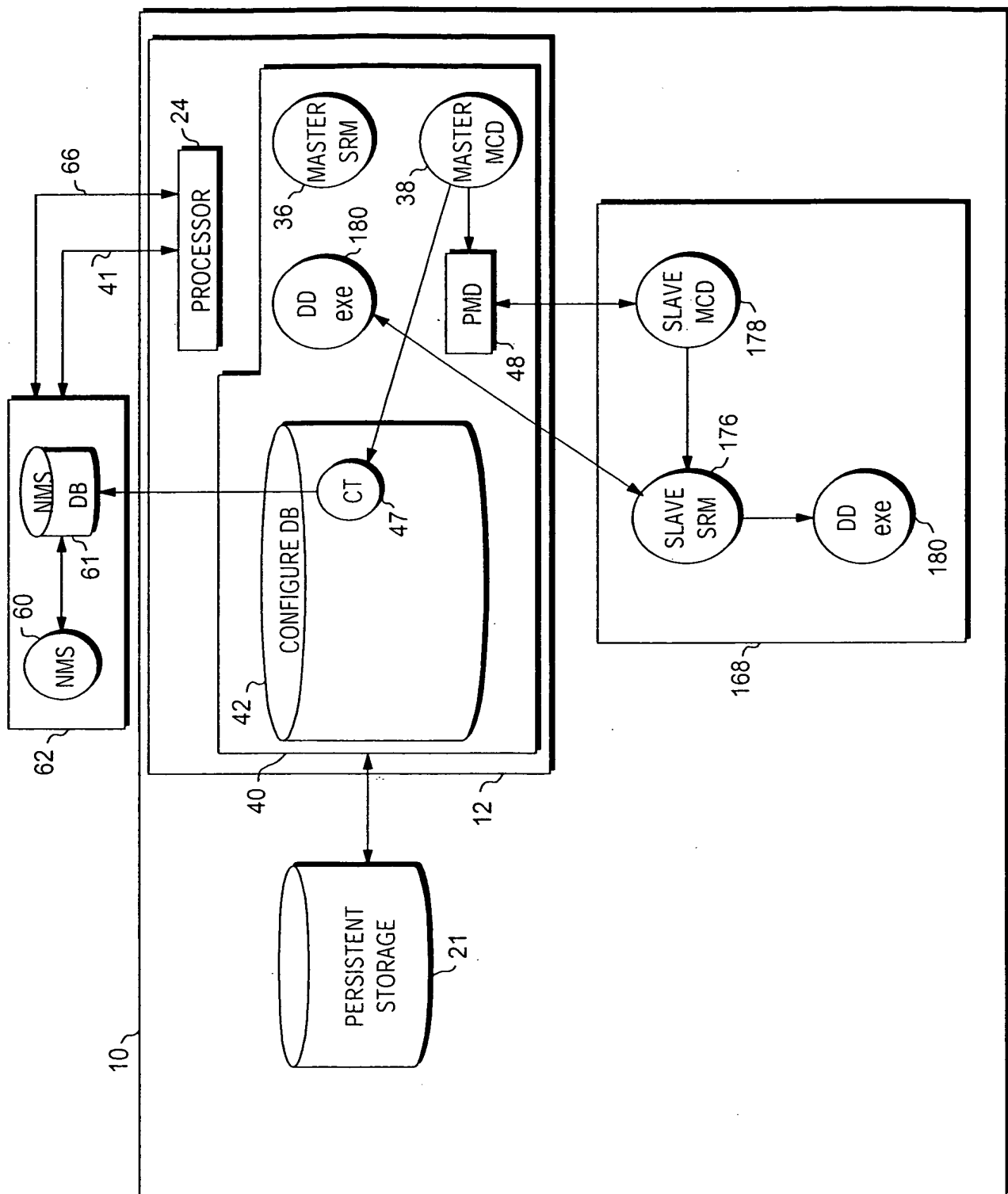


FIG. 19

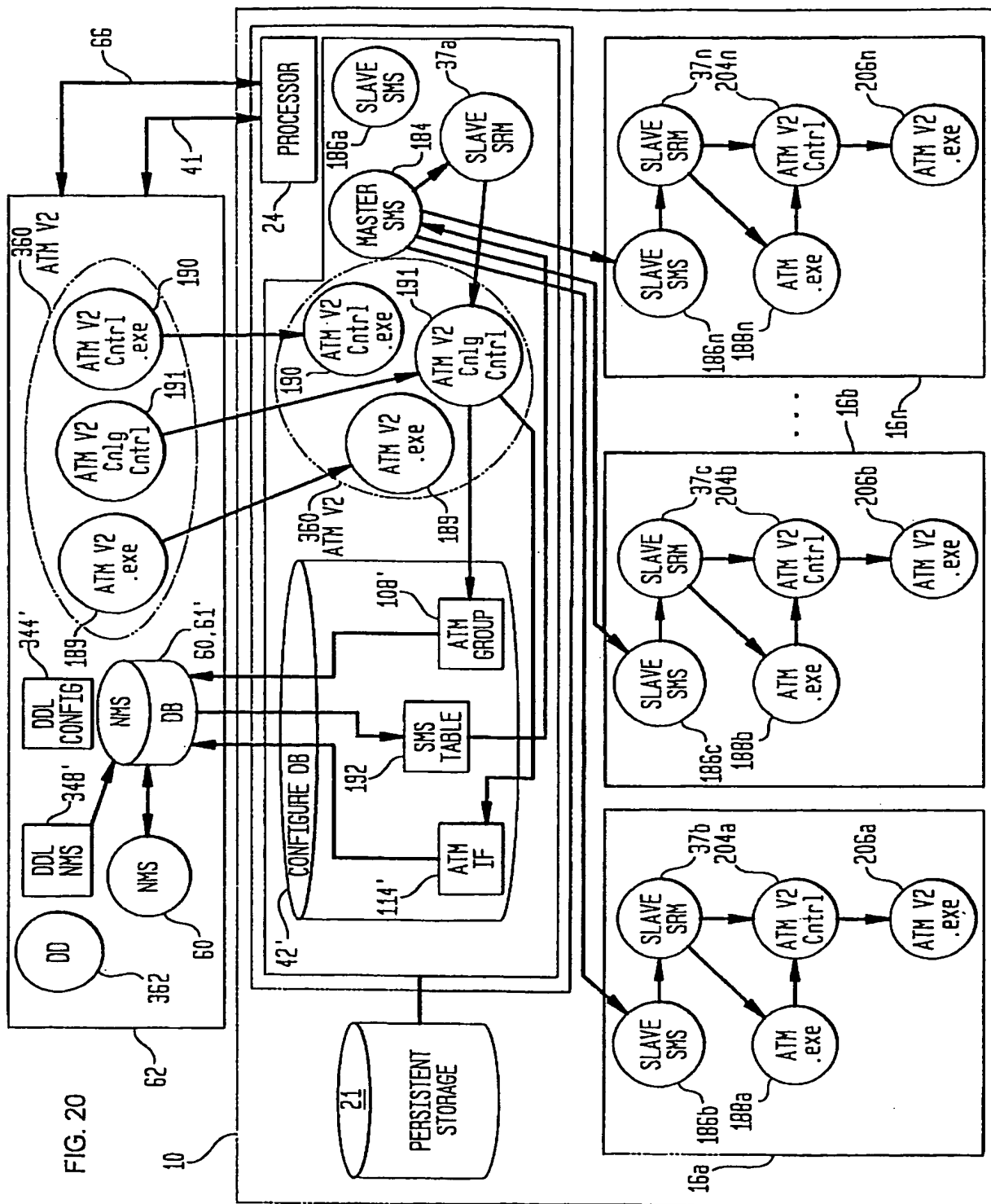


FIG. 21

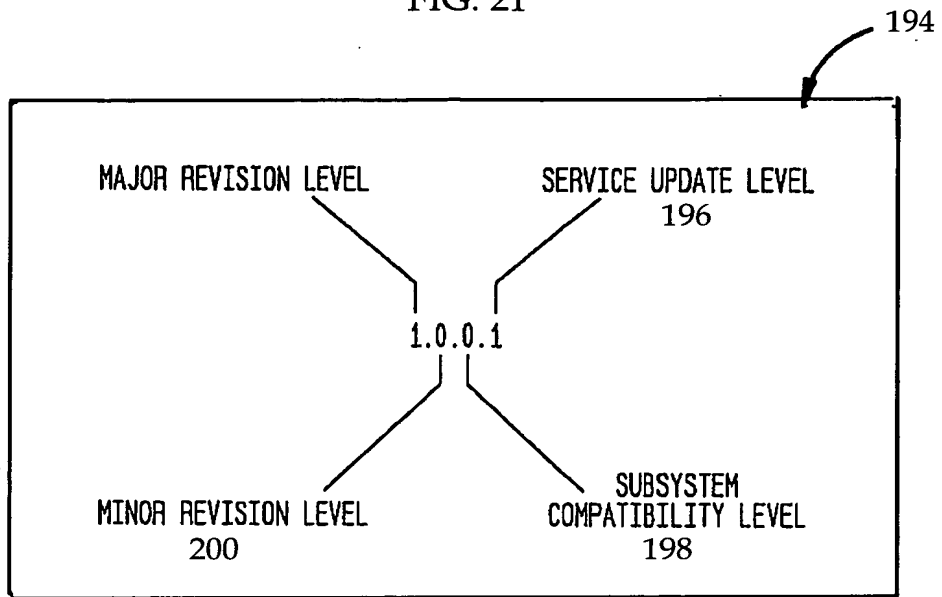
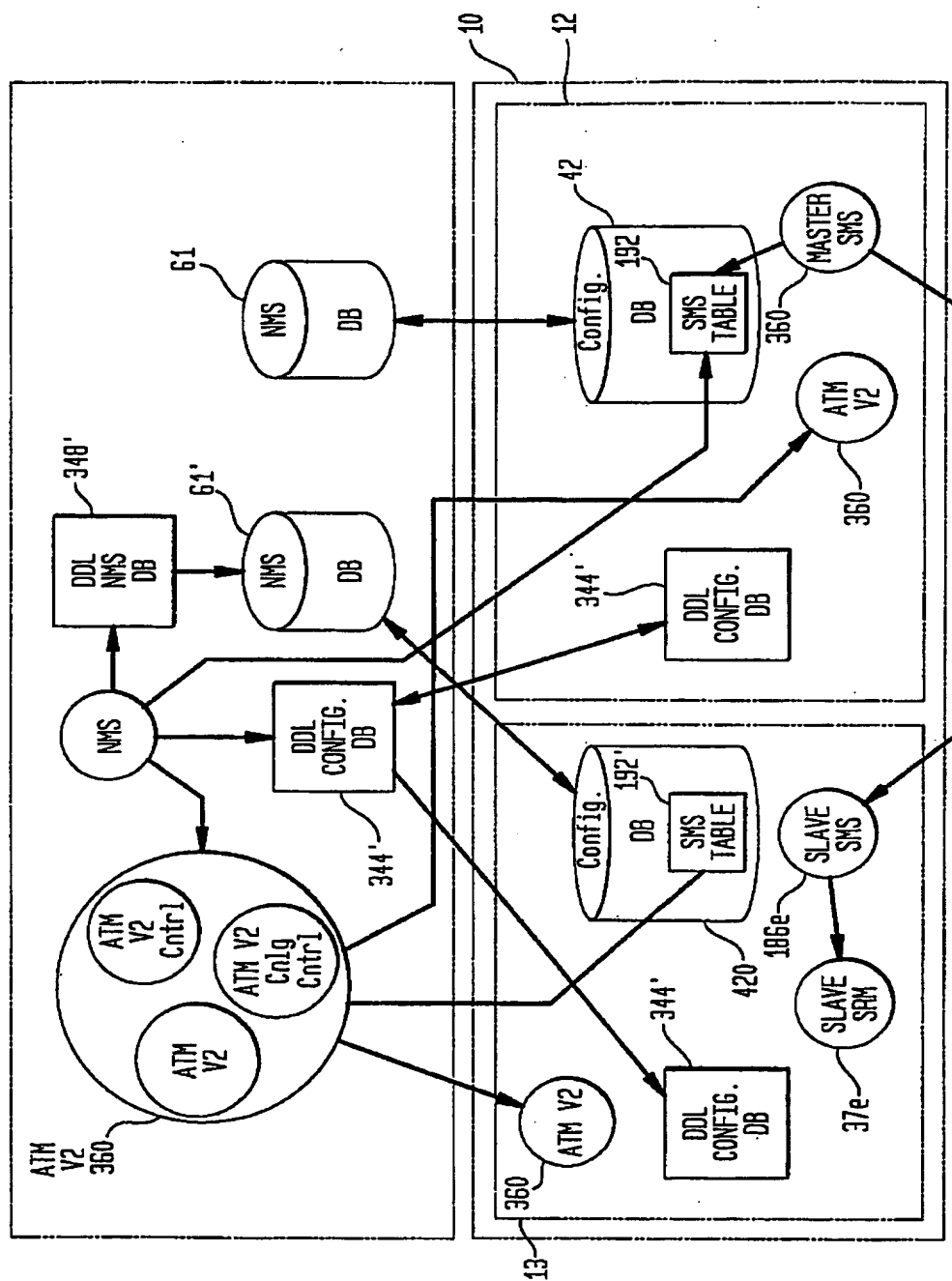


FIG. 22



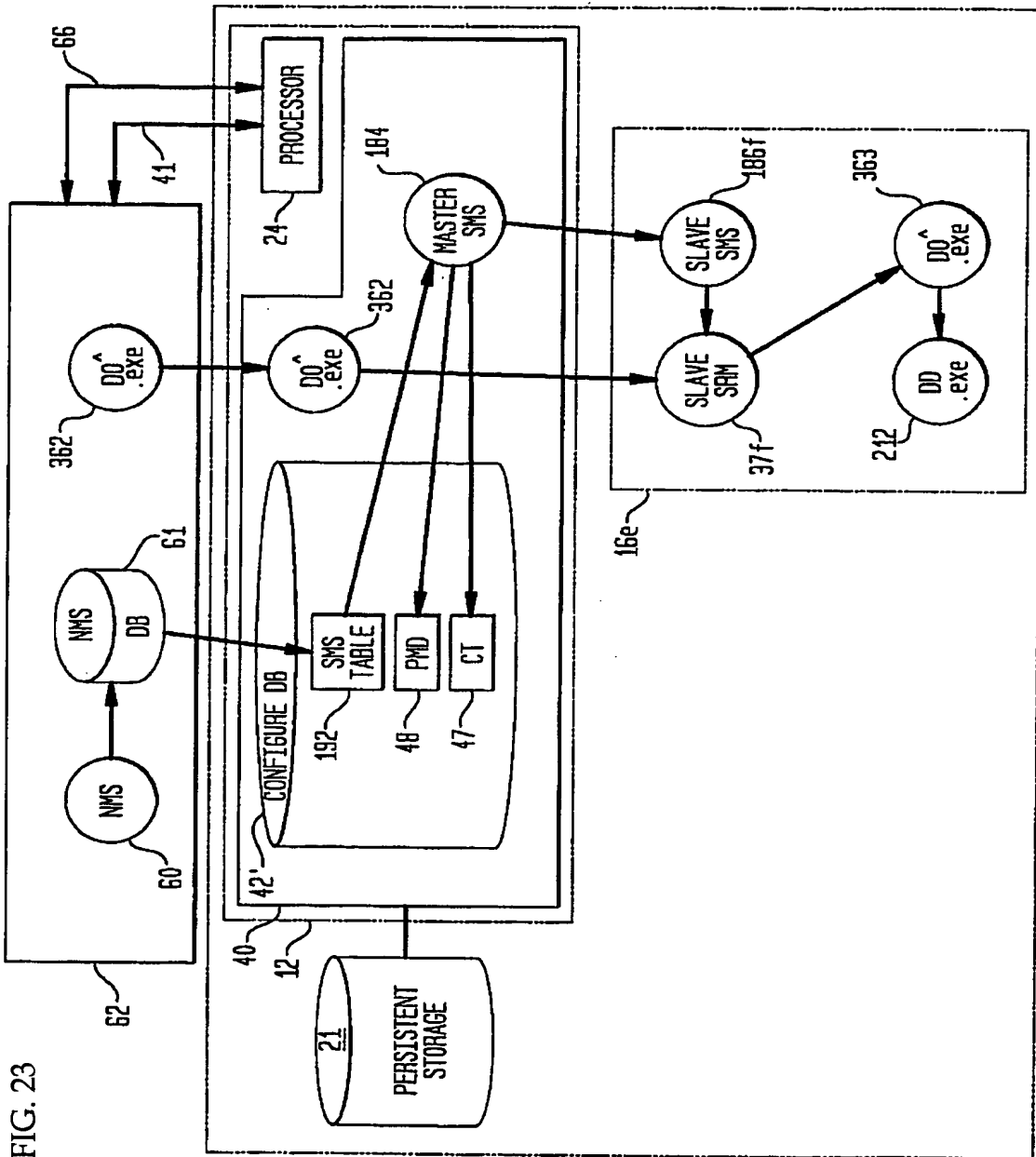


FIG. 23

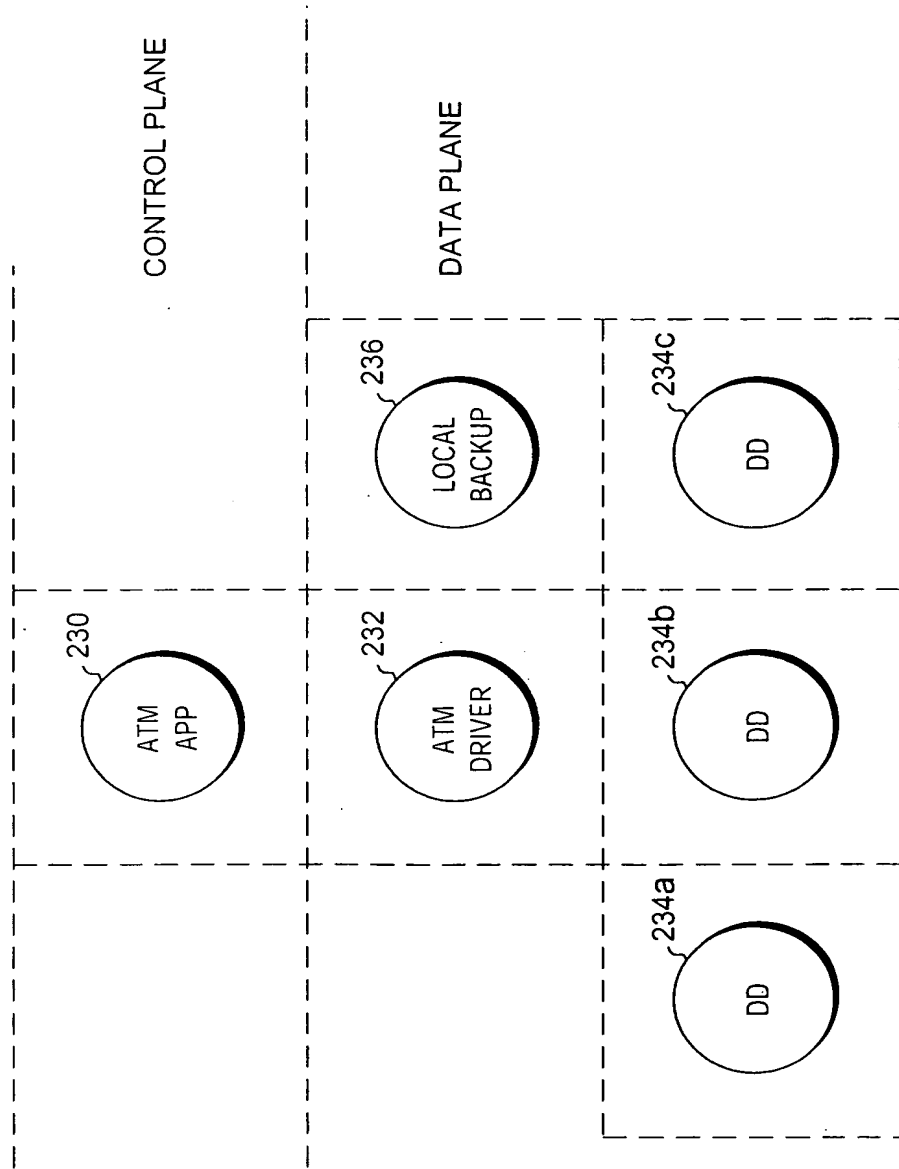


FIG. 24

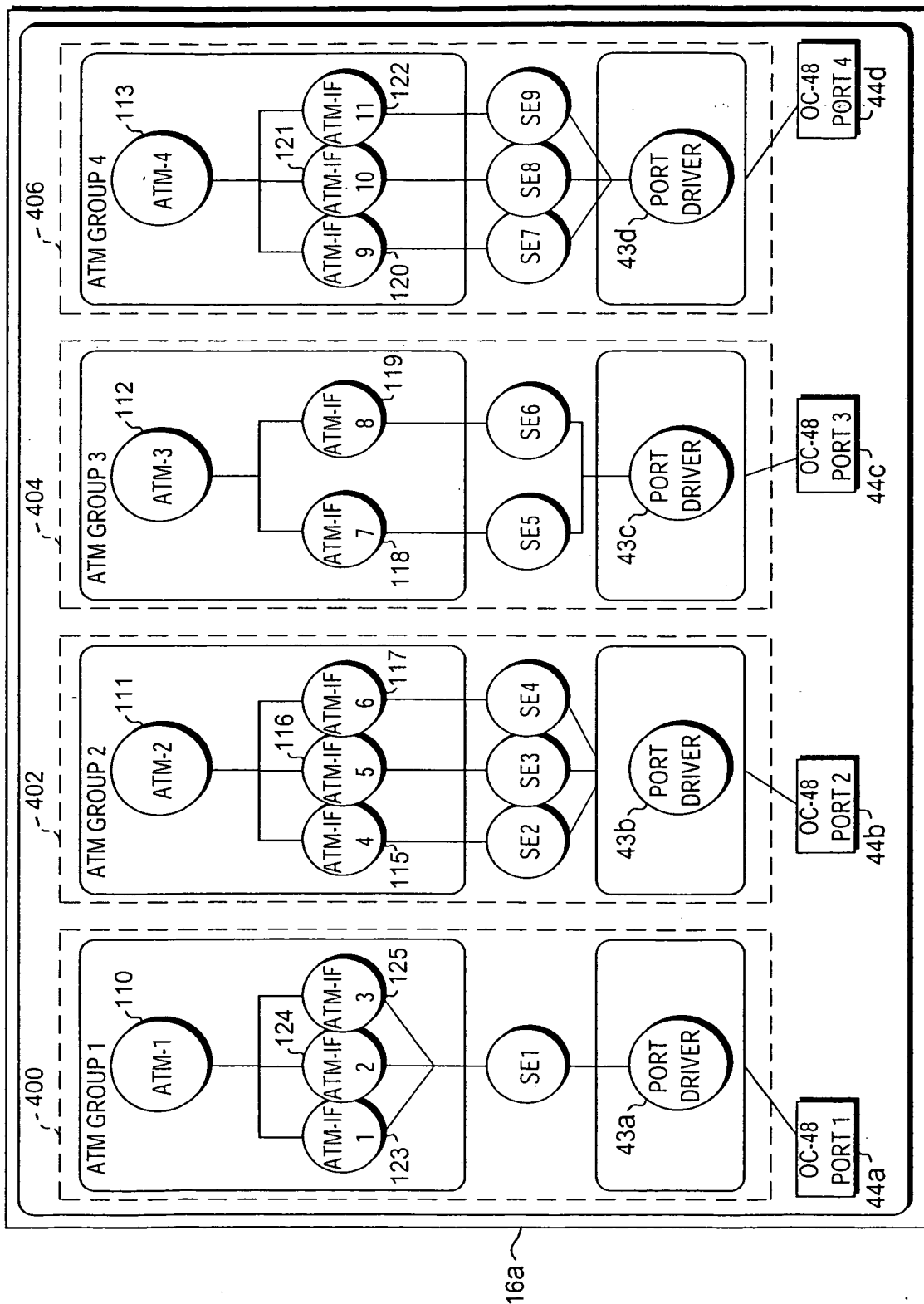


FIG. 25

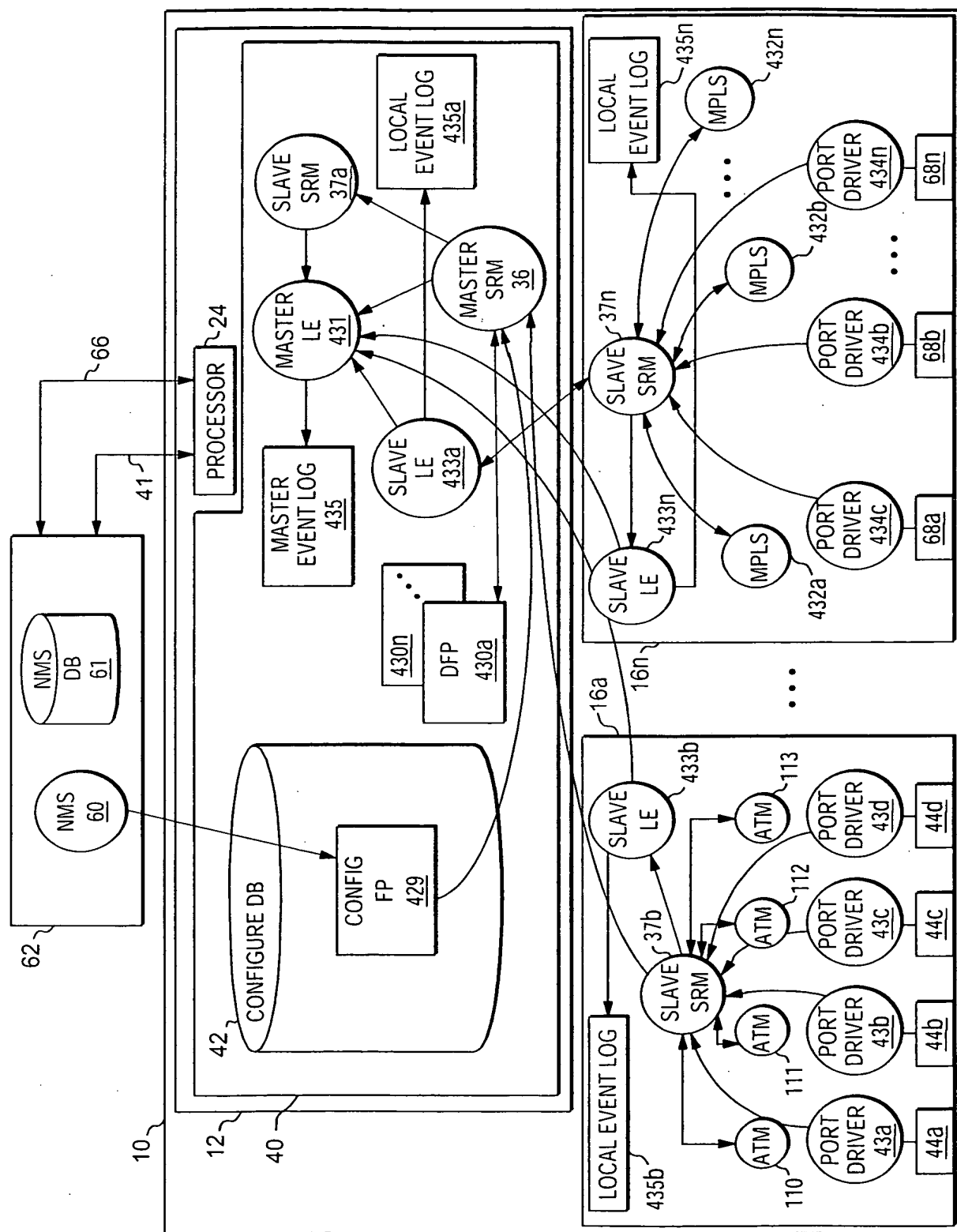


FIG. 26

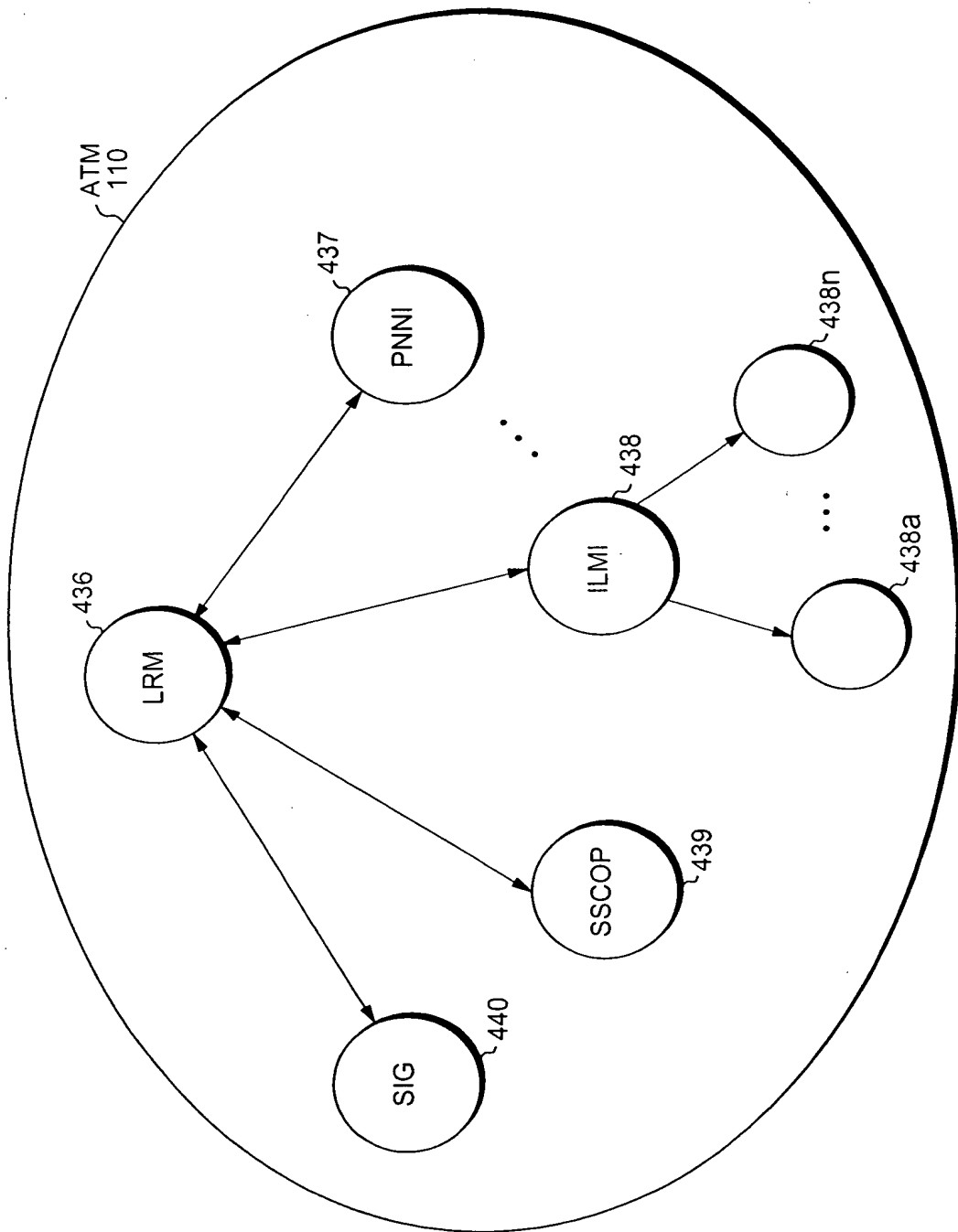


FIG. 27

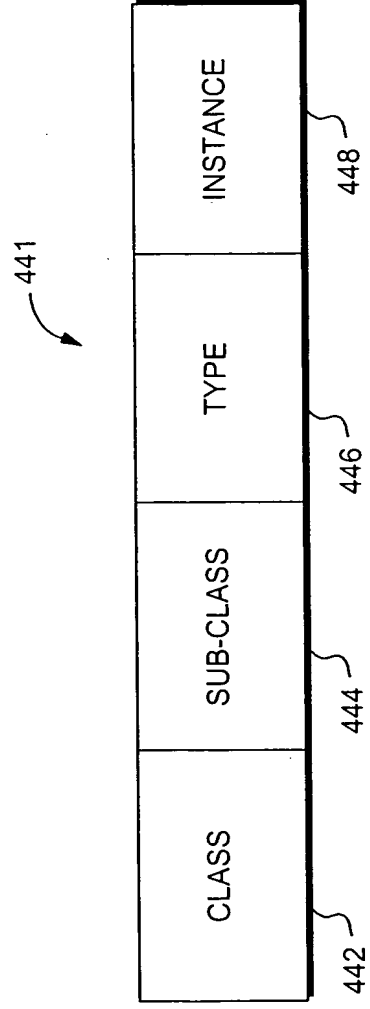


FIG. 28

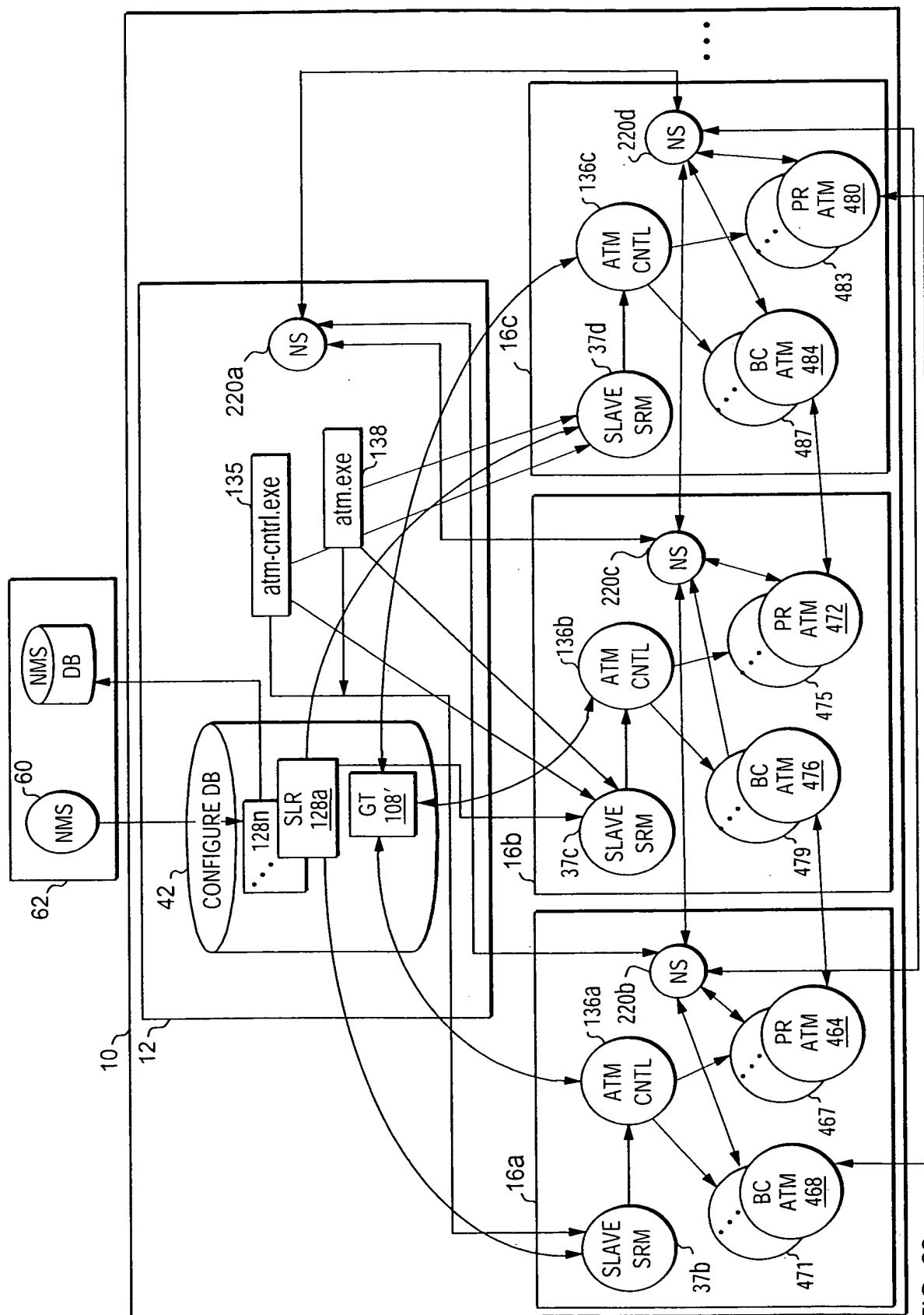


FIG. 29

GROUP TABLE 108'

| | | 447 | 449 | |
|-----|------------|---------------------|--------------------|-----|
| | GROUP # | PRIMARY CARD LID | BACKUP CARD LID | ... |
| 450 | 1 | 30 | 31 | |
| 451 | 2 | 30 | 31 | |
| 452 | 3 | 30 | 31 | |
| 453 | 4 | 30 | 31 | |
| 454 | 5 | 31 | 32 | |
| 455 | 6 | 31 | 32 | |
| 456 | 7 | 31 | 32 | |
| 457 | 8 | 31 | 32 | |
| 458 | 9 | 32 | 30 | |
| 459 | 10 | 32 | 30 | |
| 460 | 11 | 32 | 30 | |
| 461 | 12 | 32 | 30 | |
| | ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 30

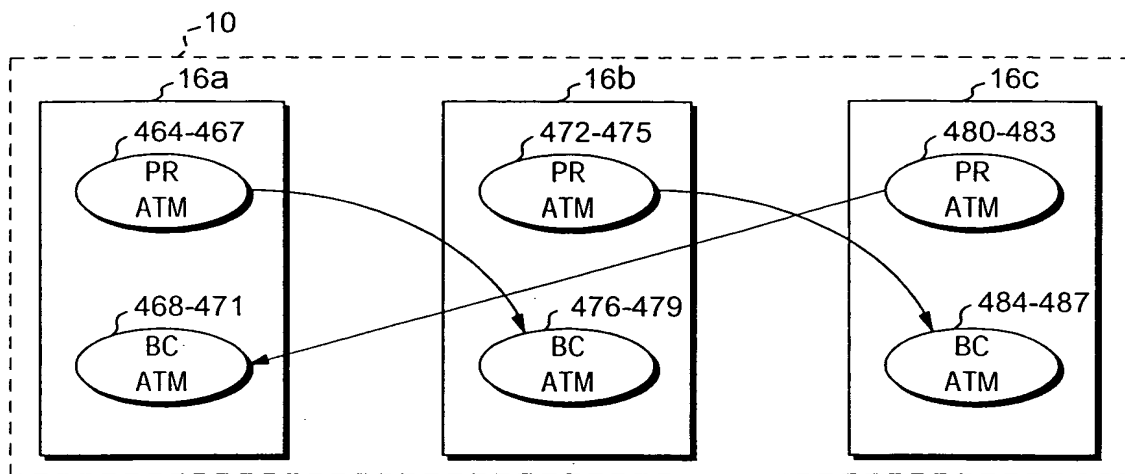


FIG. 31A

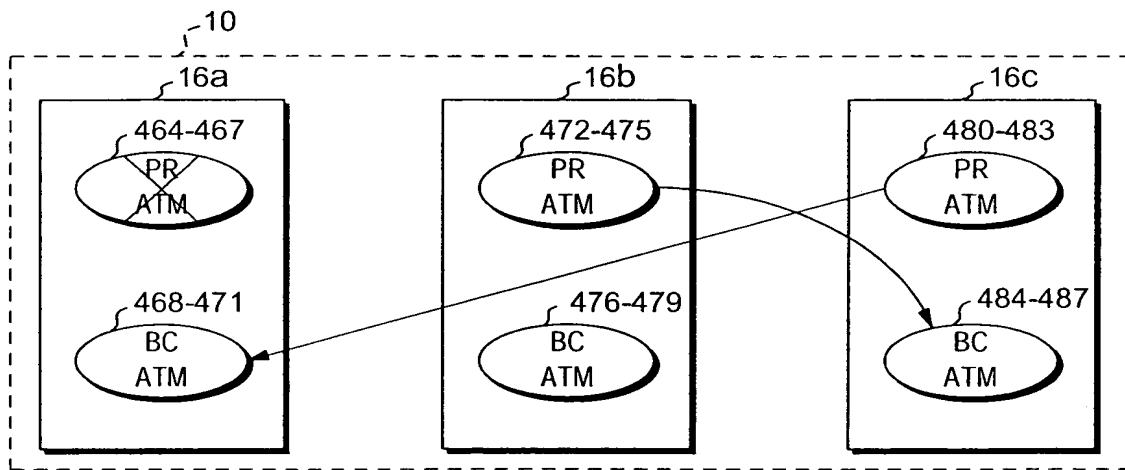


FIG. 31B

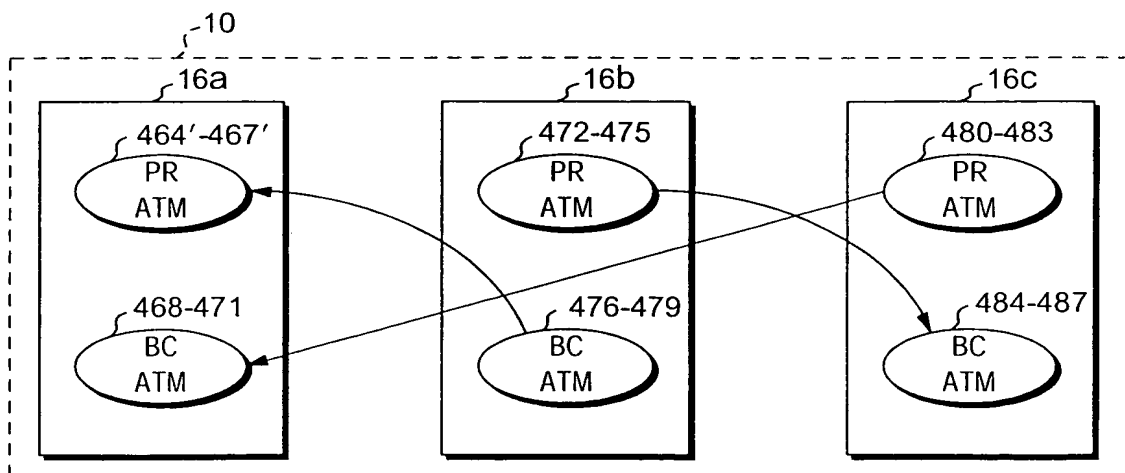


FIG. 31C

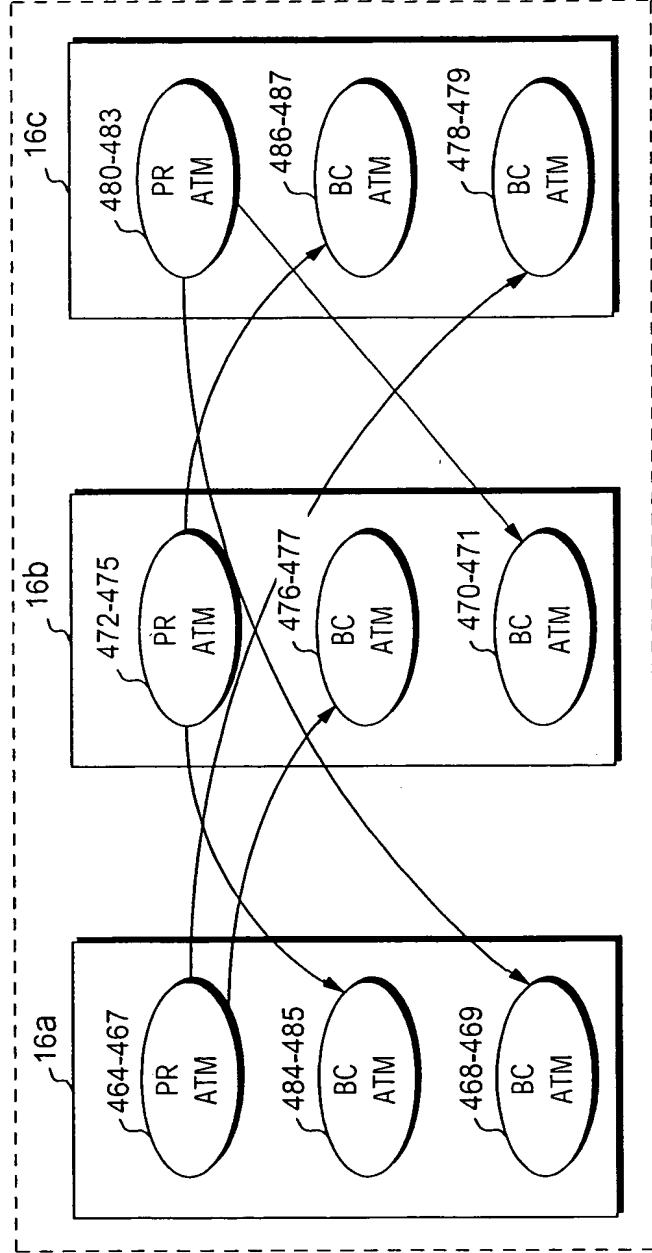


FIG. 32A

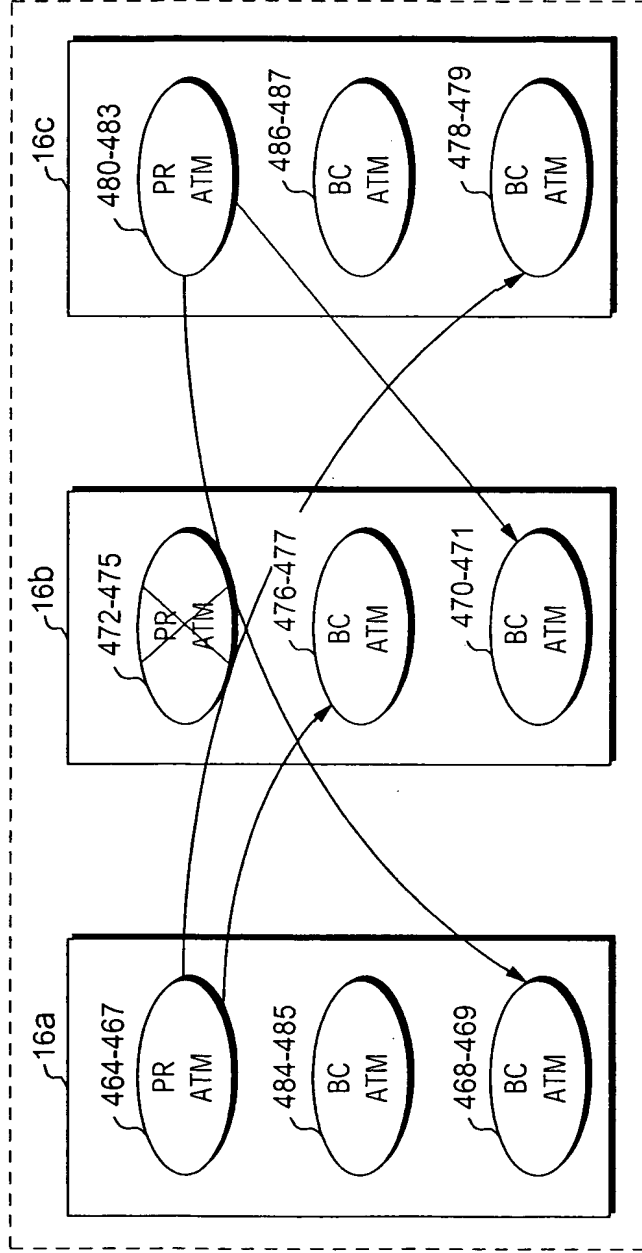


FIG. 32B

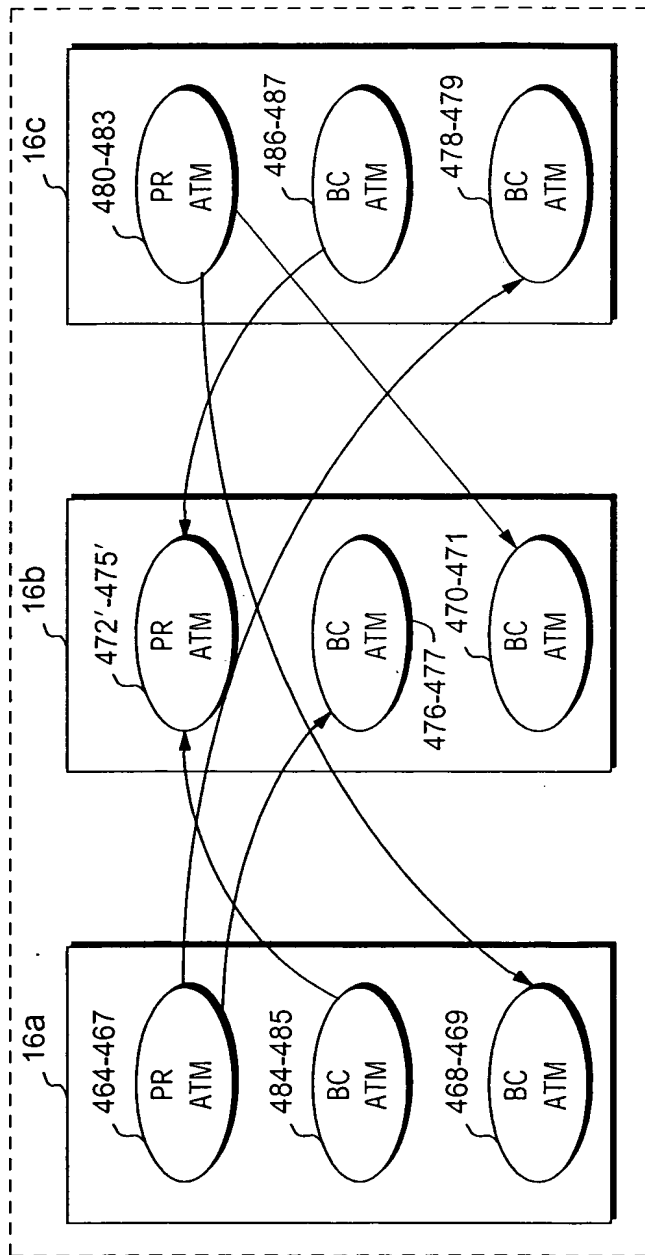


FIG. 32C

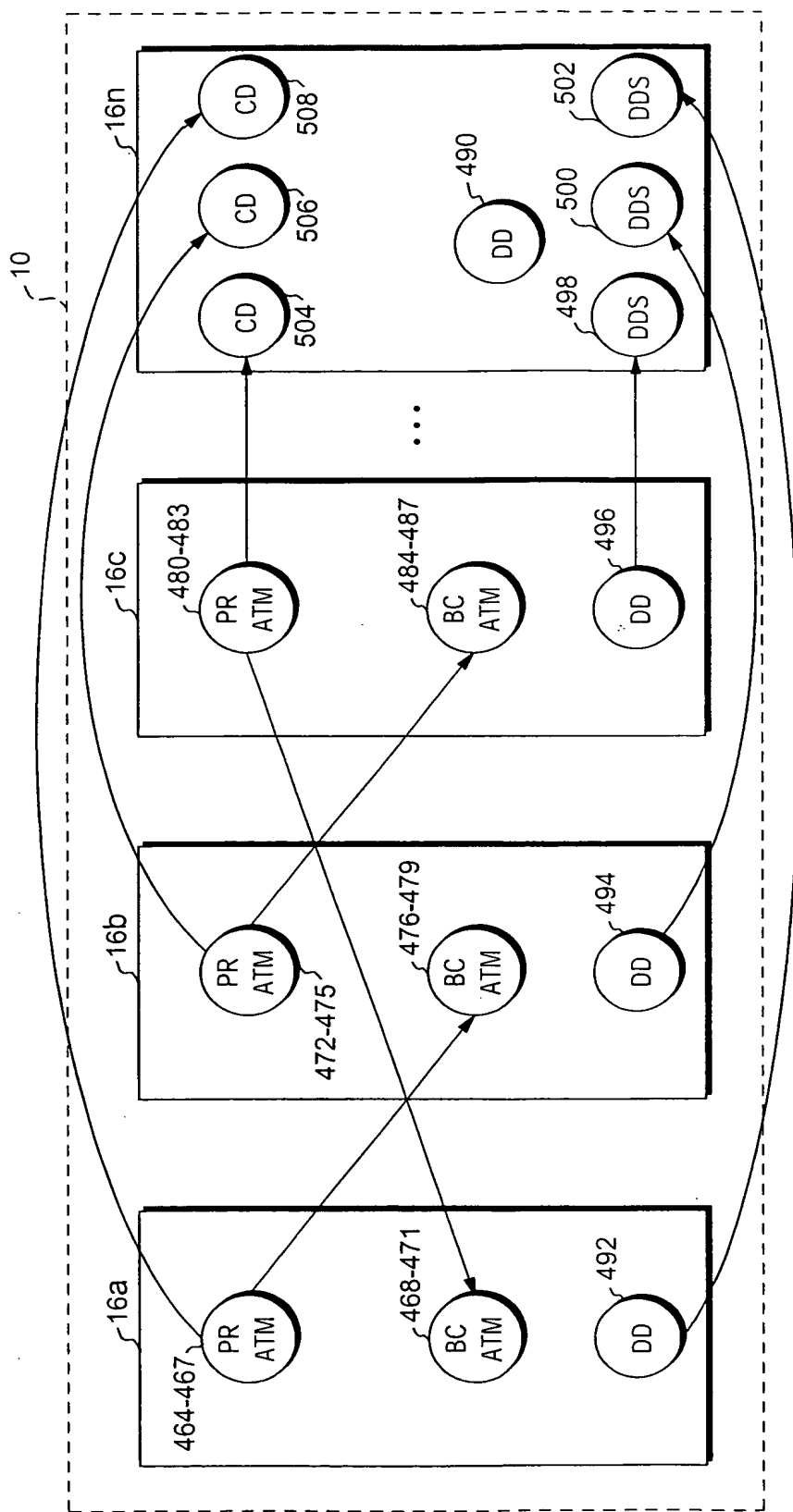


FIG. 33A

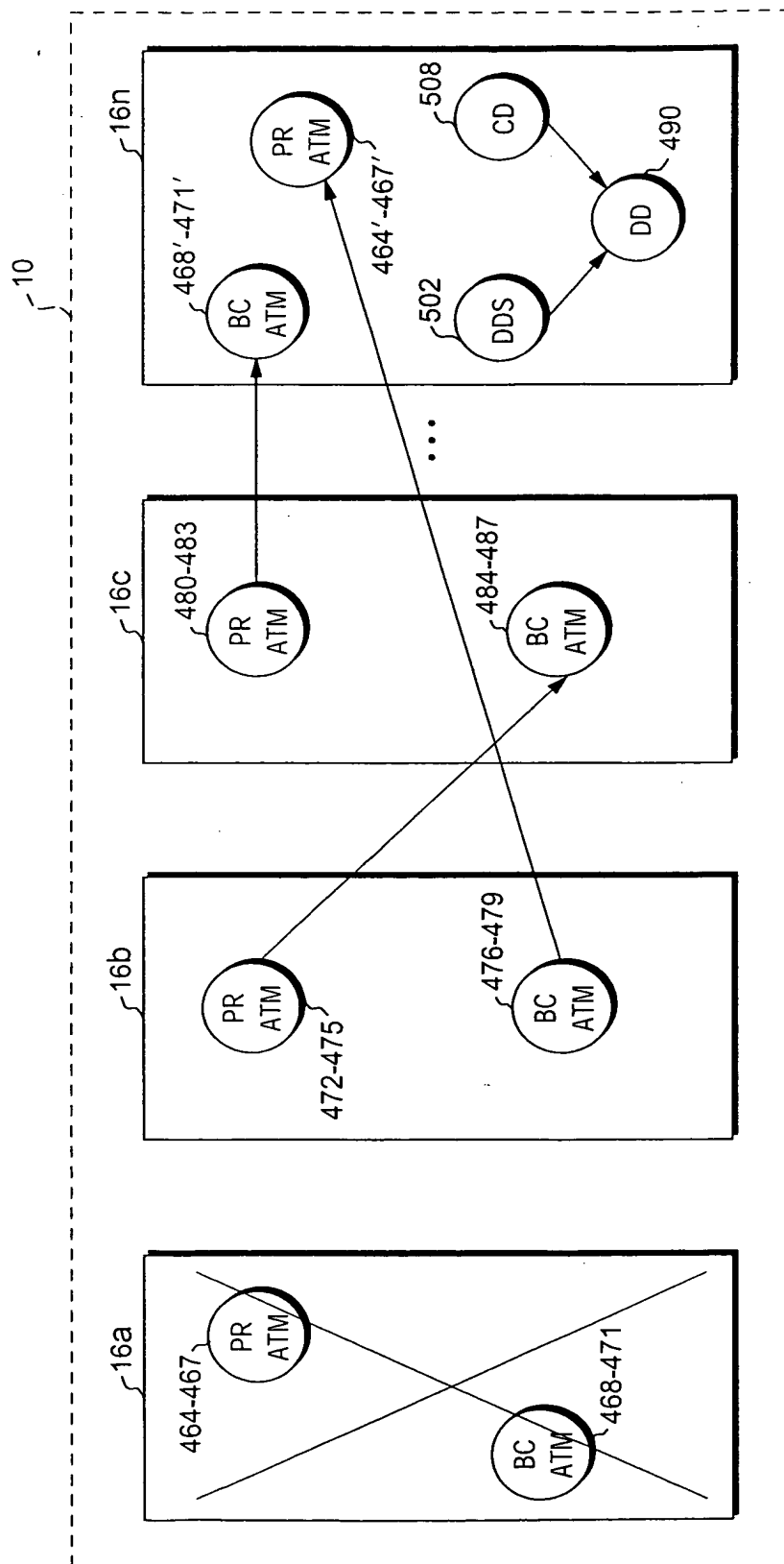


FIG. 33B

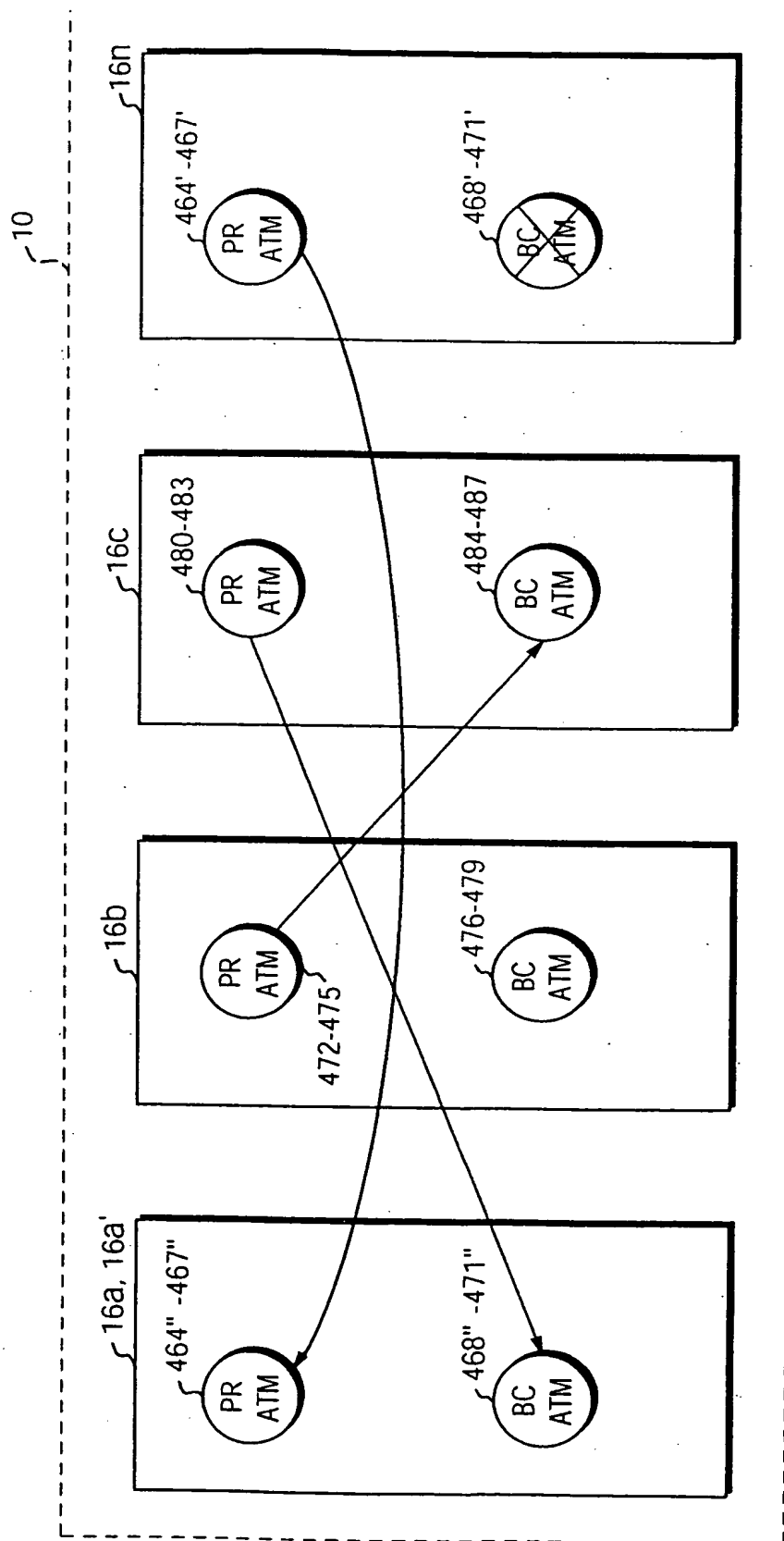


FIG. 33C

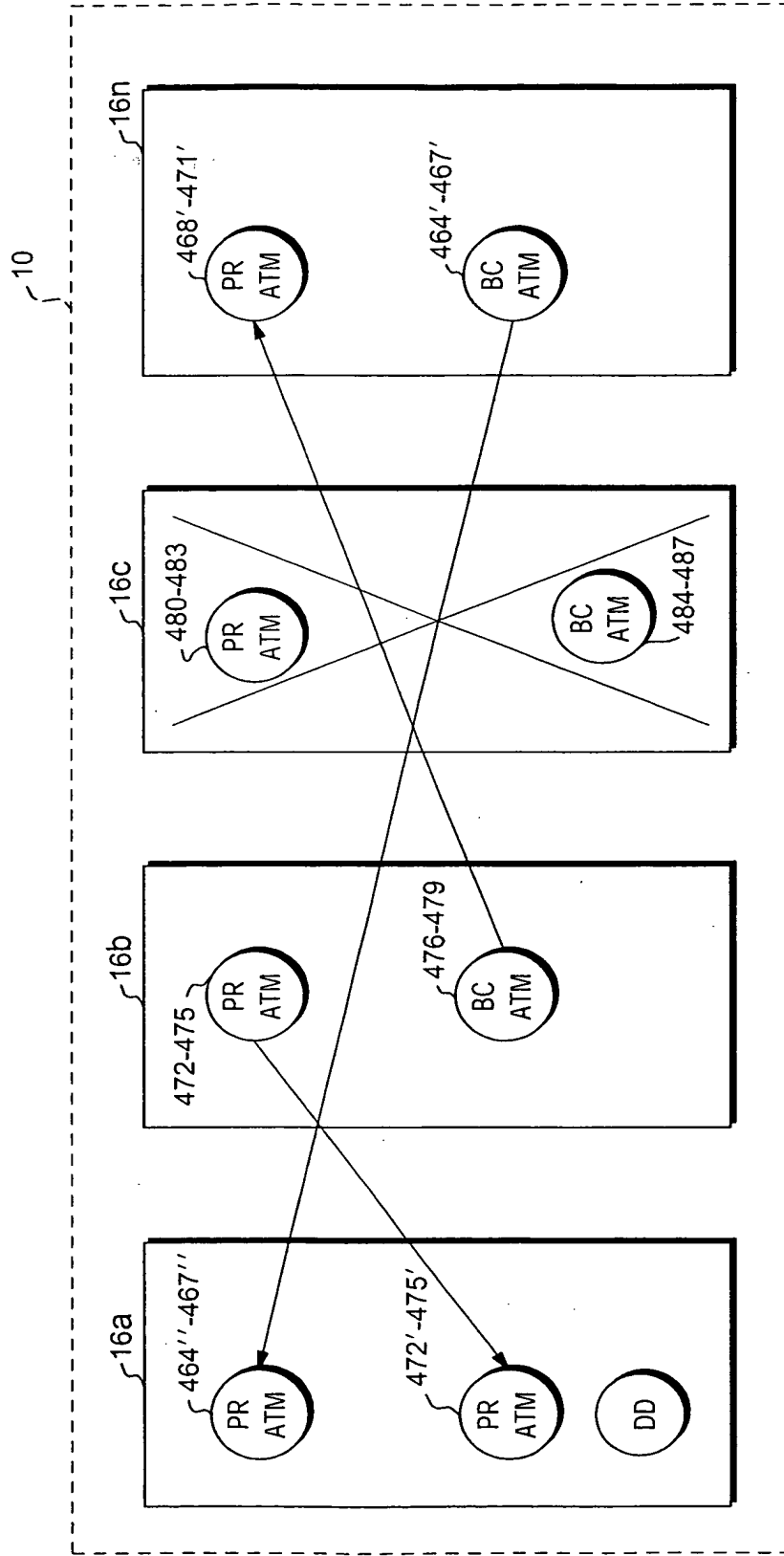


FIG. 33D

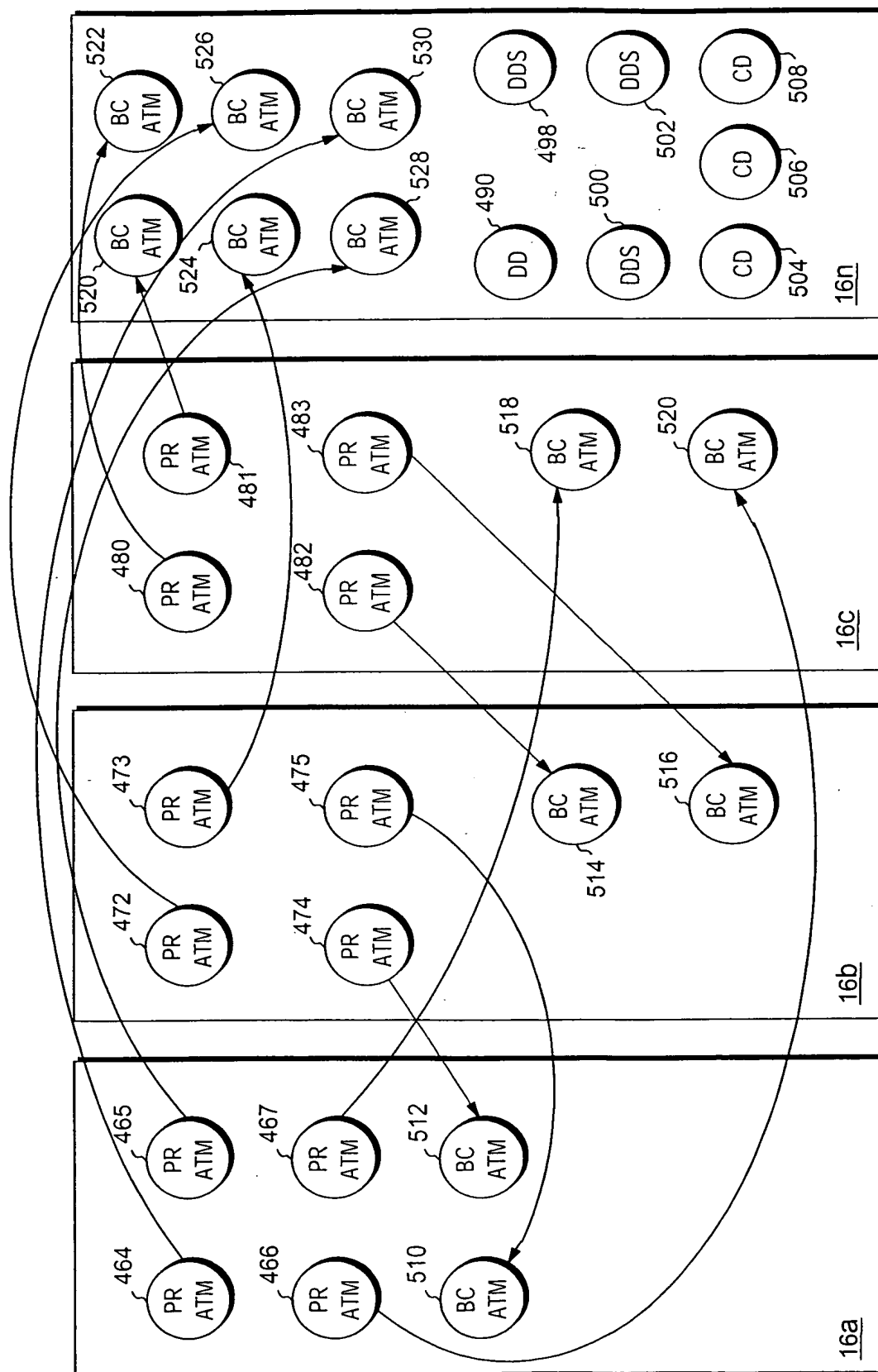


FIG. 34A

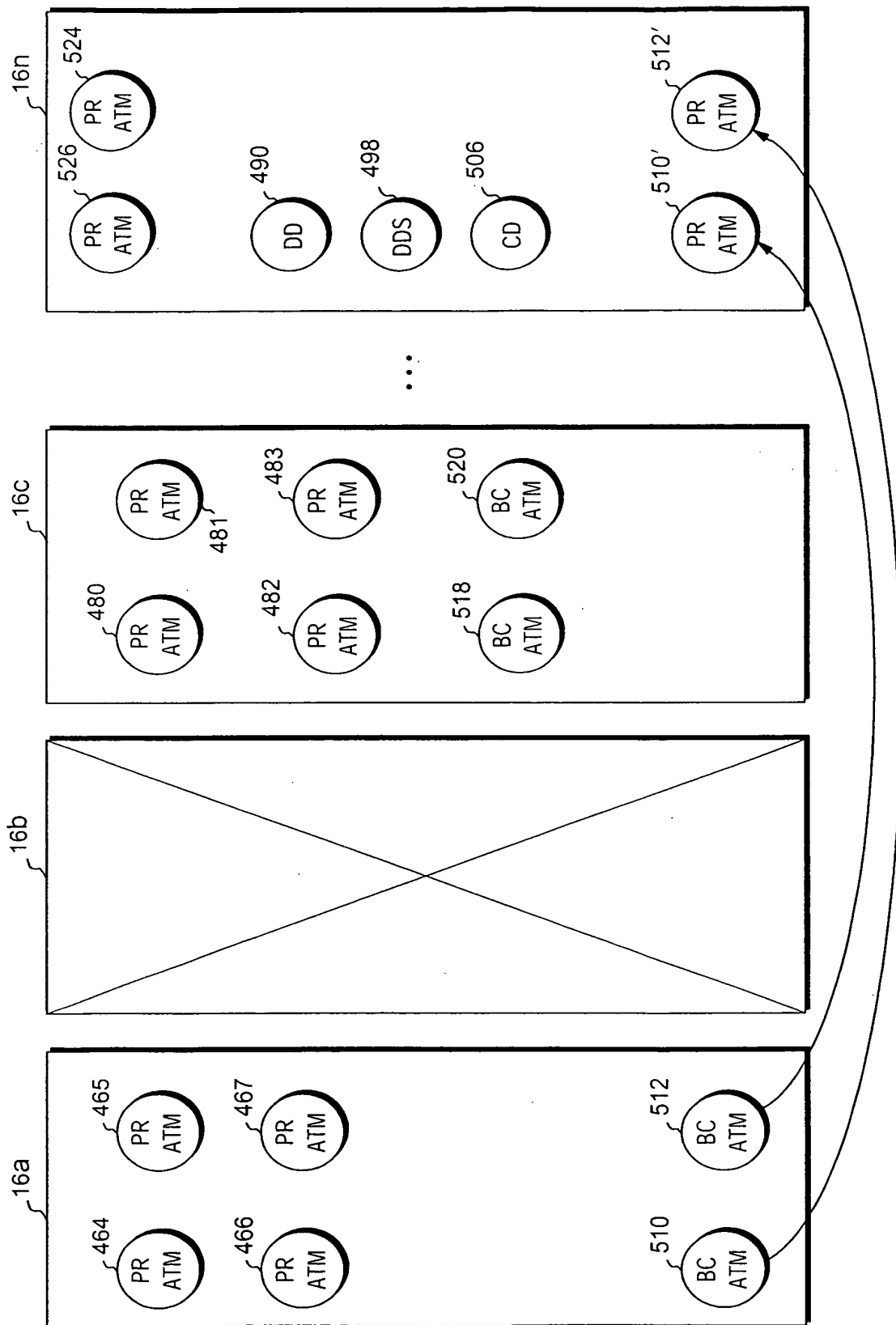


FIG. 34B

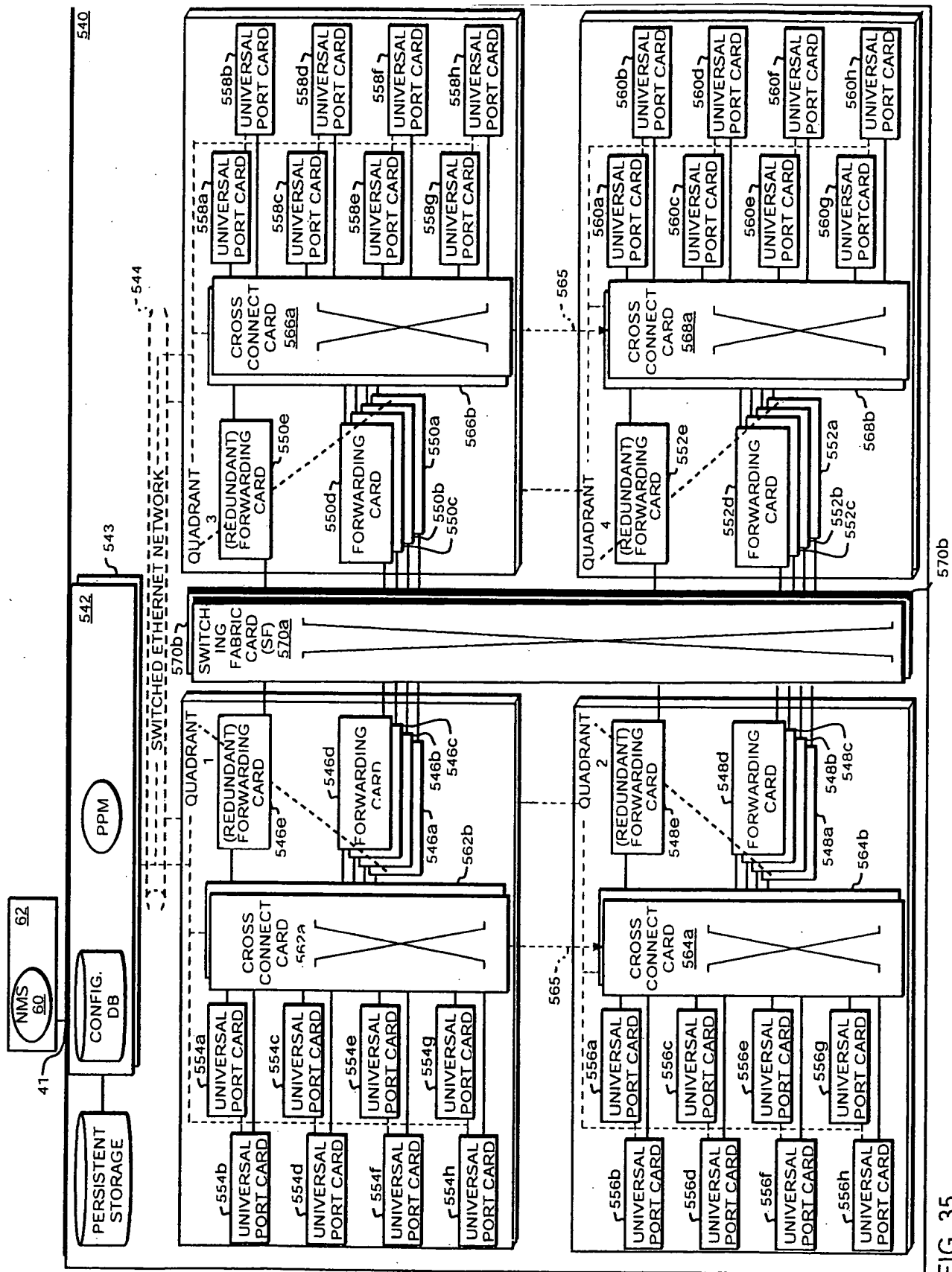


FIG. 35

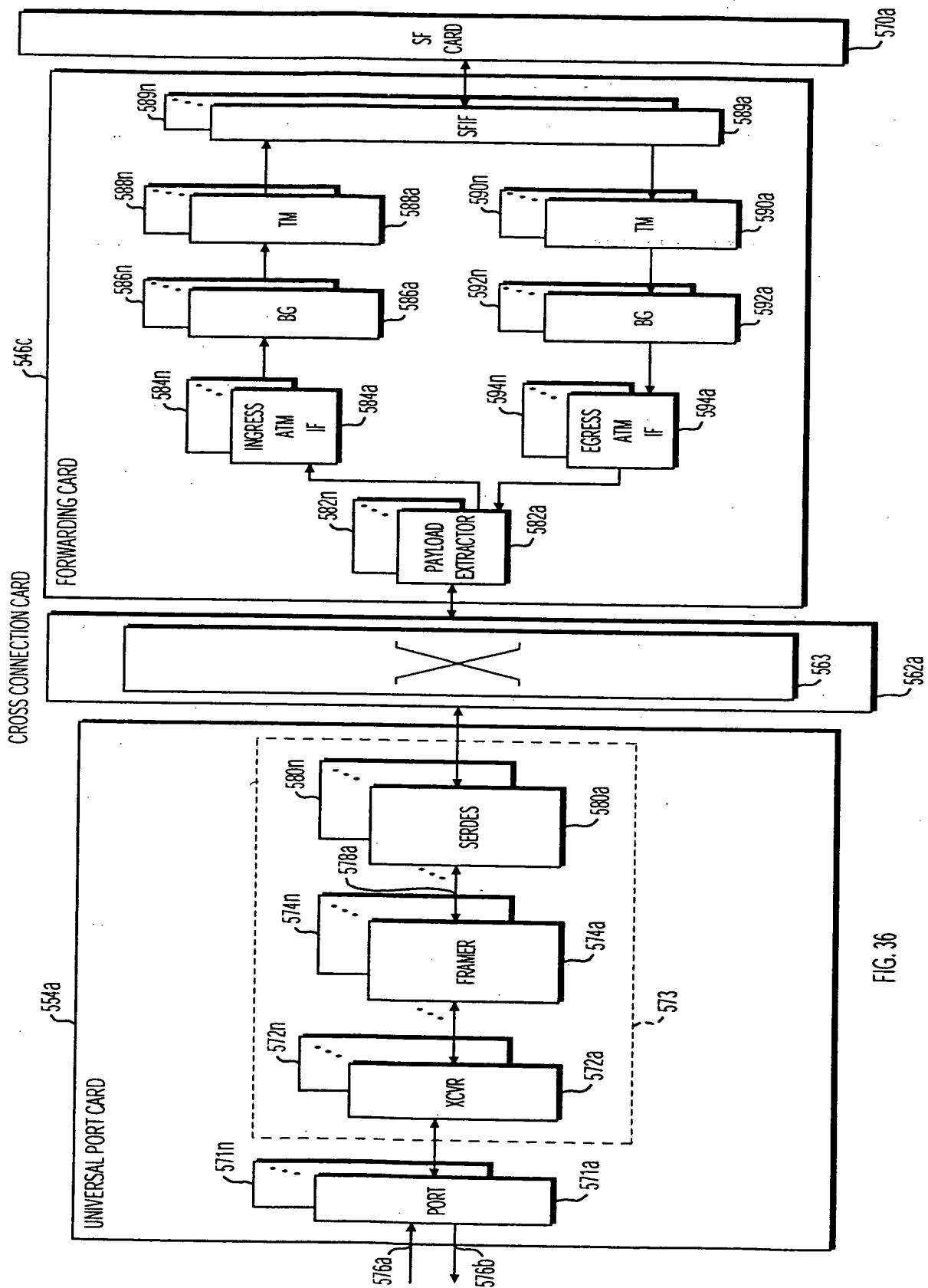


FIG. 36

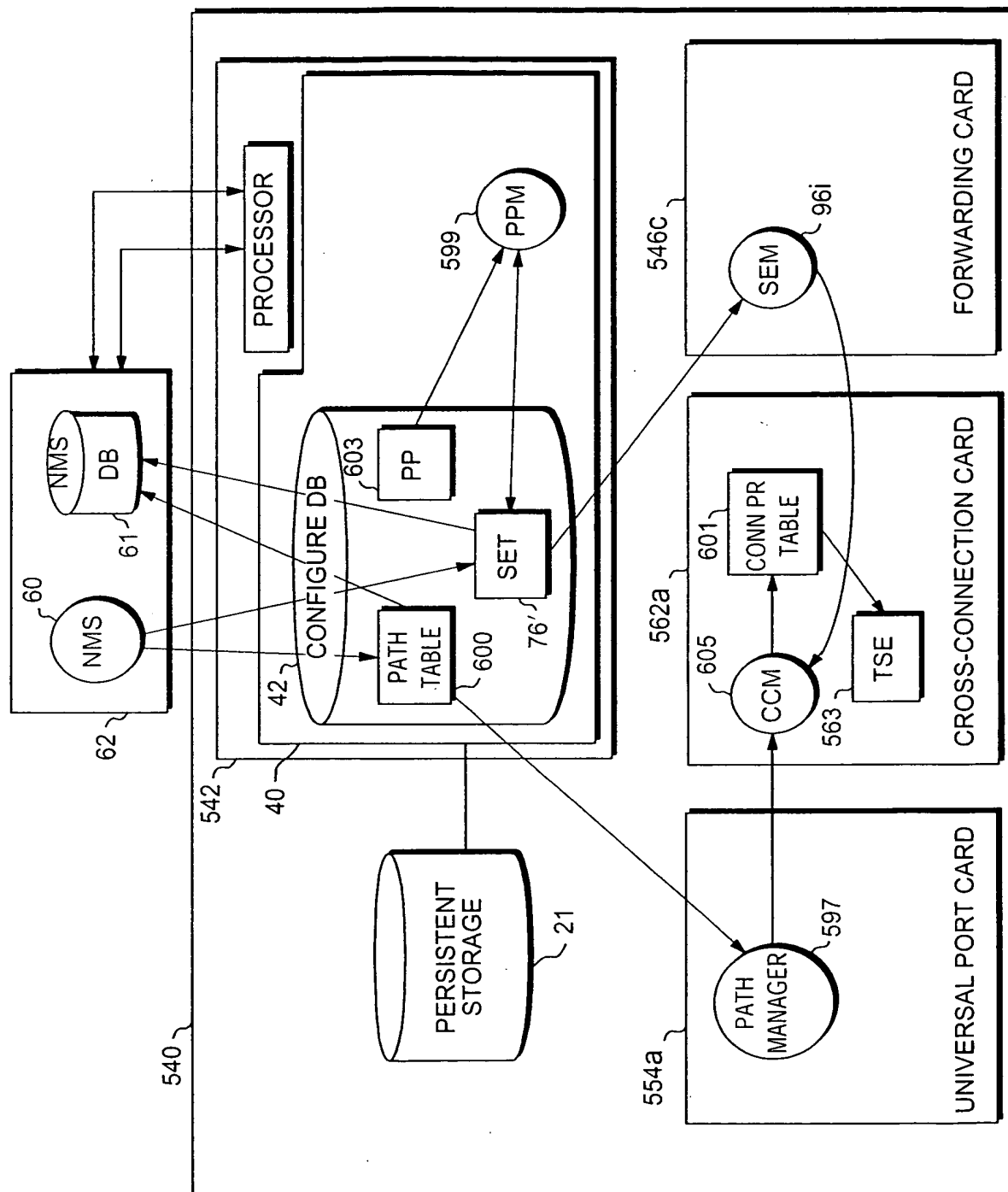


FIG. 37

PATH TABLE 600

602

| PATH LID | UP PORT LID | TIME SLOT | # OF TIME SLOTS | ... |
|-------------|----------------|--------------|--------------------|-----|
| 1666 | 1231 | 4 | 3 | |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 38

SERVICE END POINT TABLE 76'

| SE # | Q # | 606 | | 608 | | 610 | |
|---------|--------|-----------|-------------|--------------------|-------------|-----|---|
| | | FC LID | FC SLICE | FC TIME SLOT | PATH PID | ... | |
| 878 | 1 | | | | 1666 | | |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 39

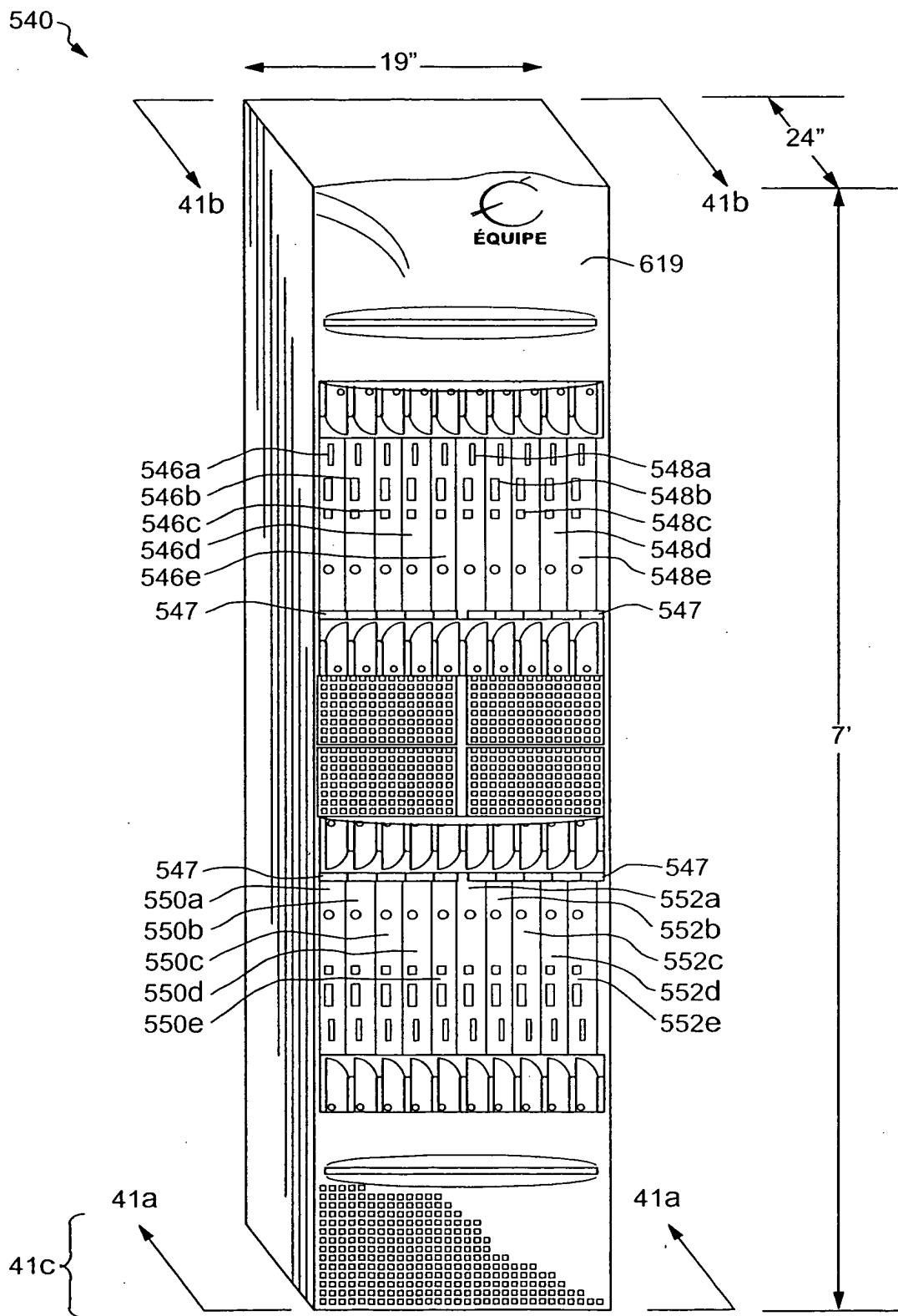


FIG. 40

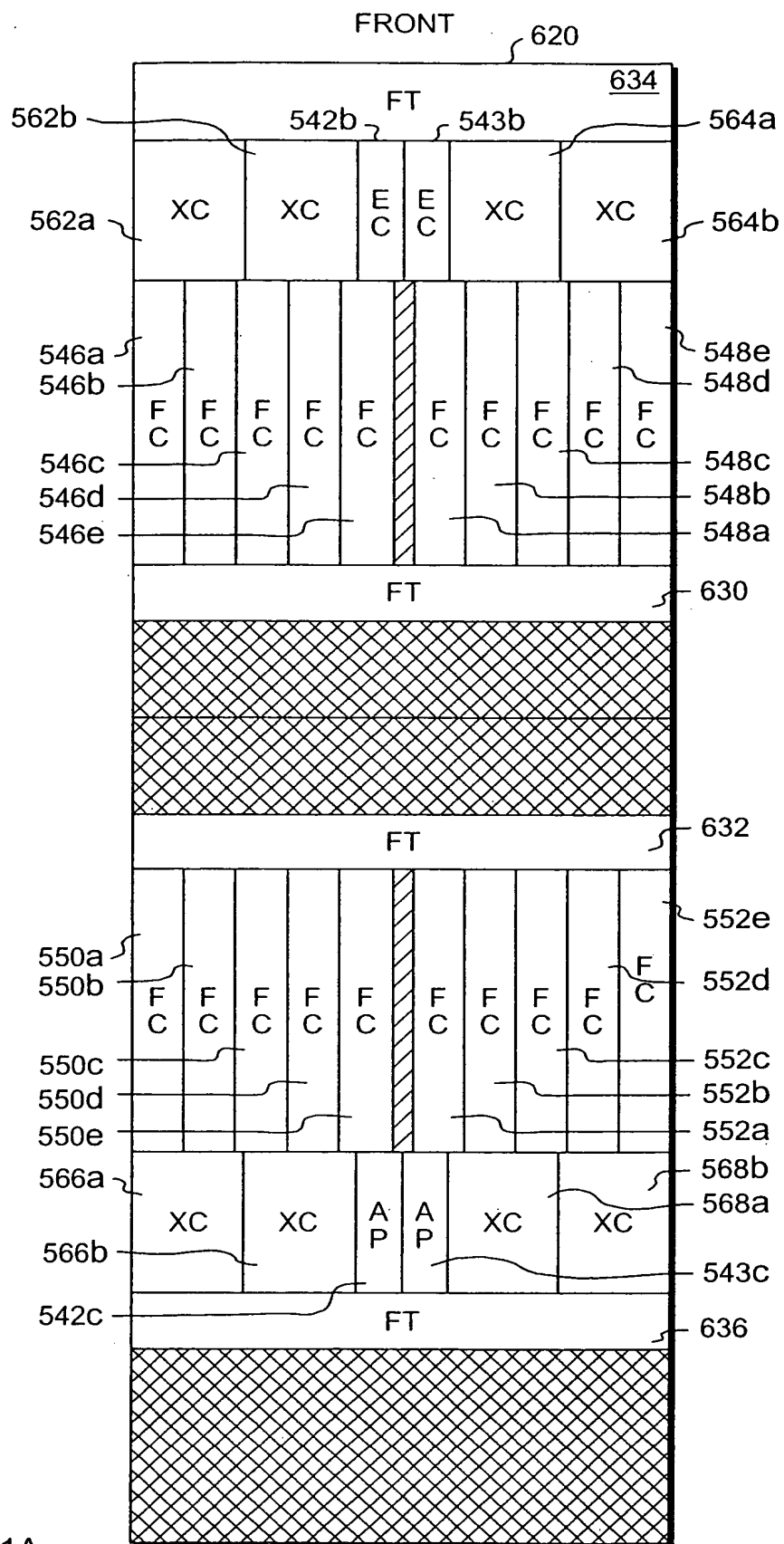


FIG. 41A

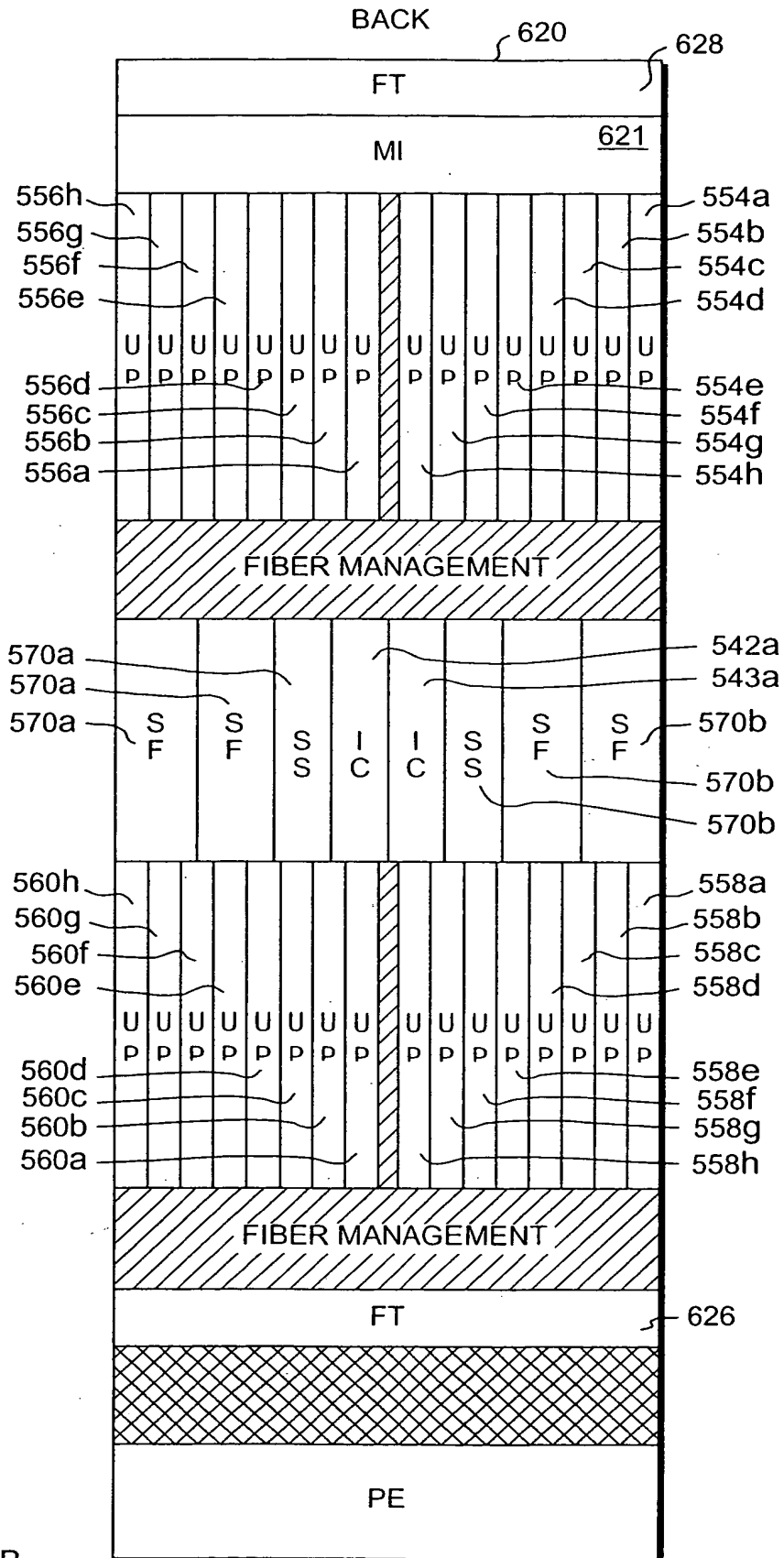


FIG. 41B

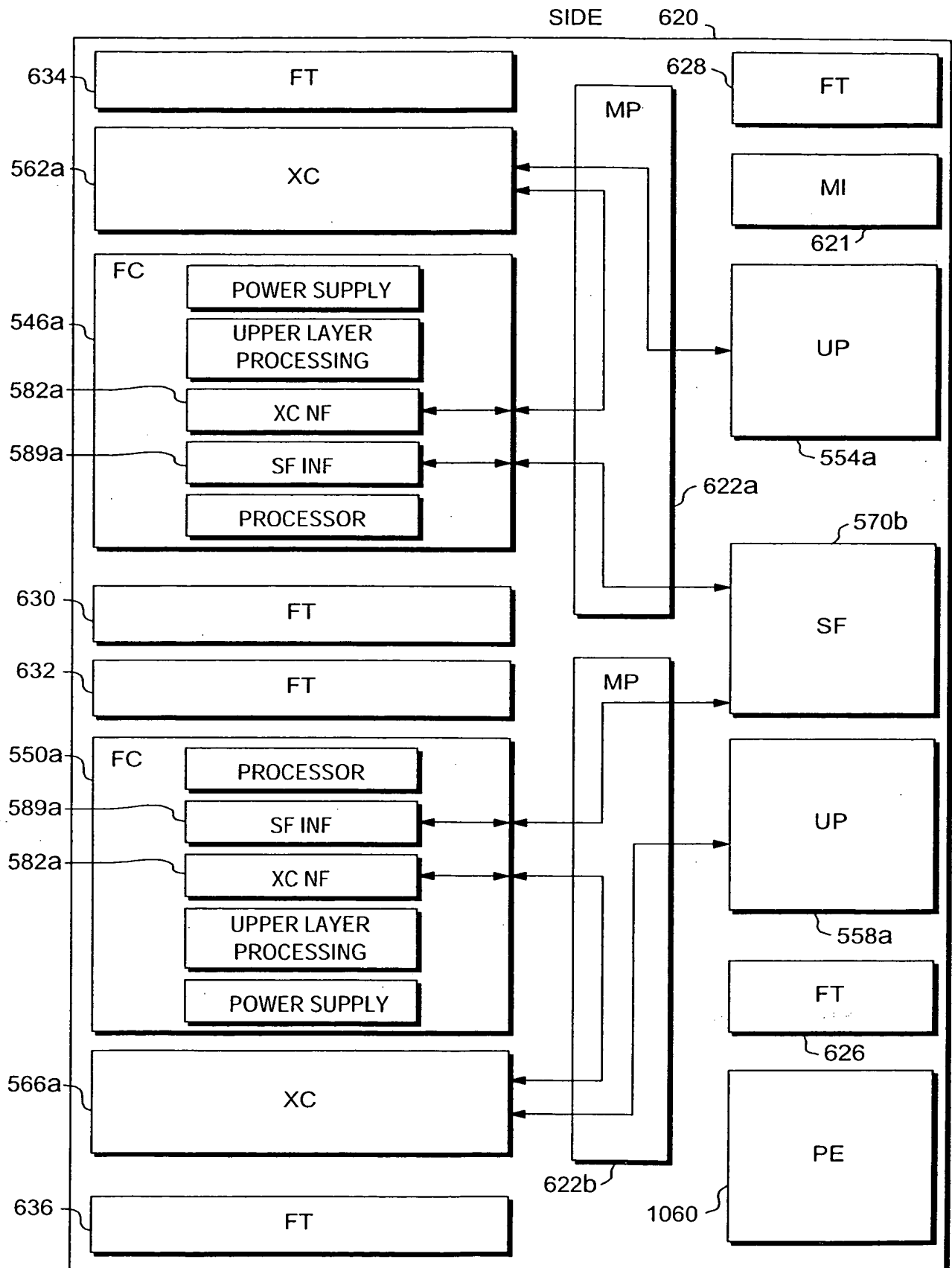


FIG. 41C

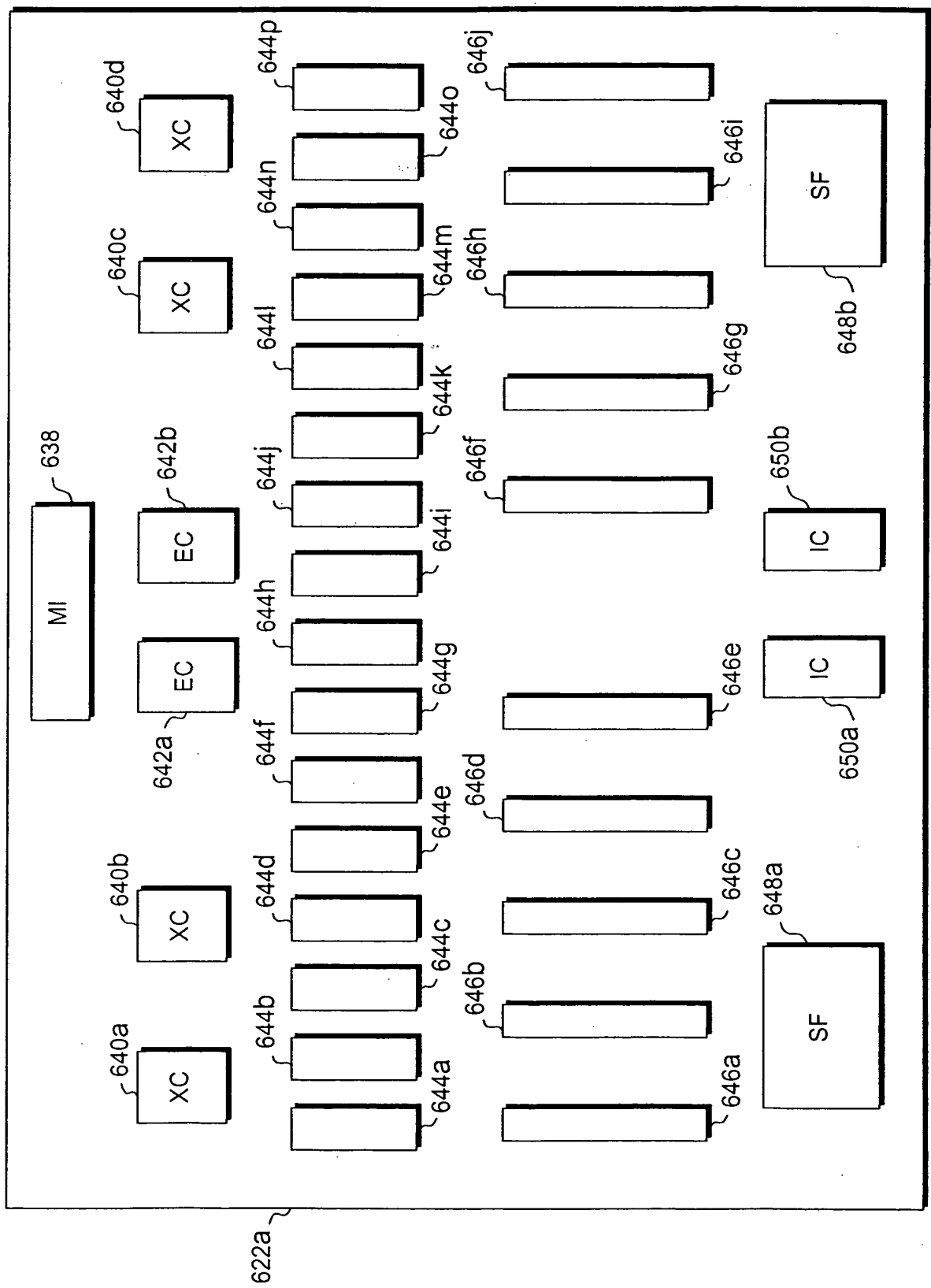


FIG. 42A

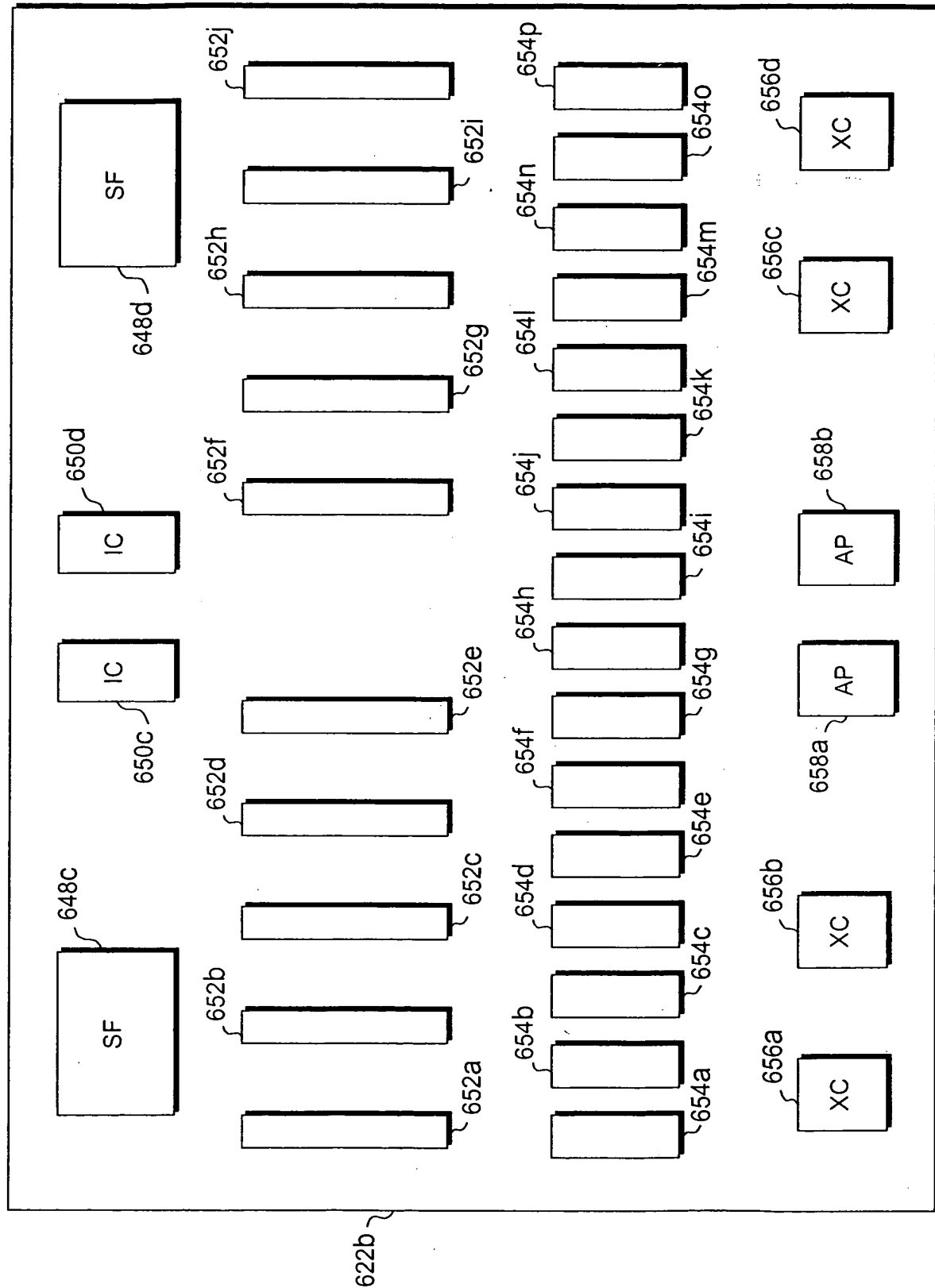


FIG. 42B

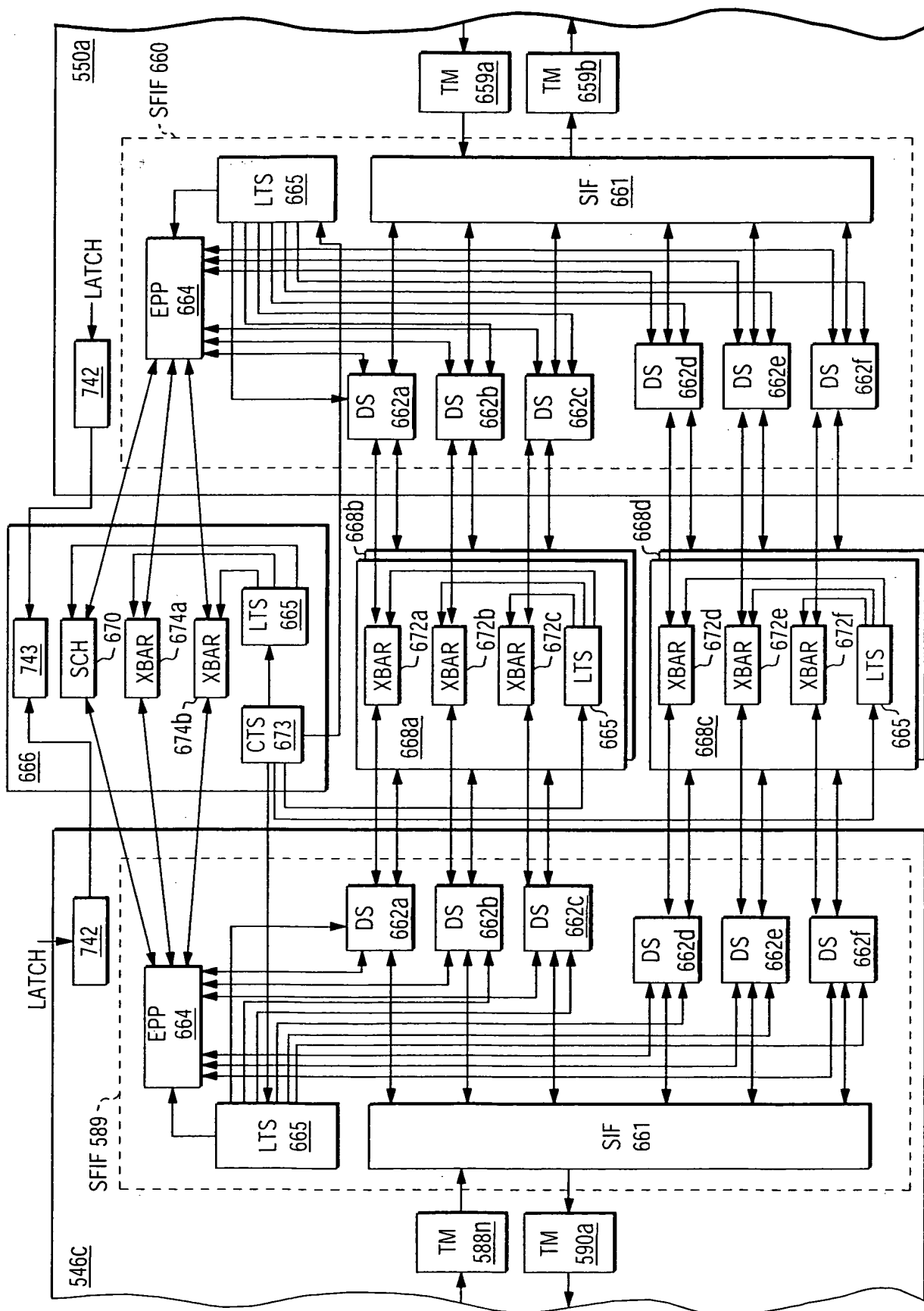


FIG. 43

540

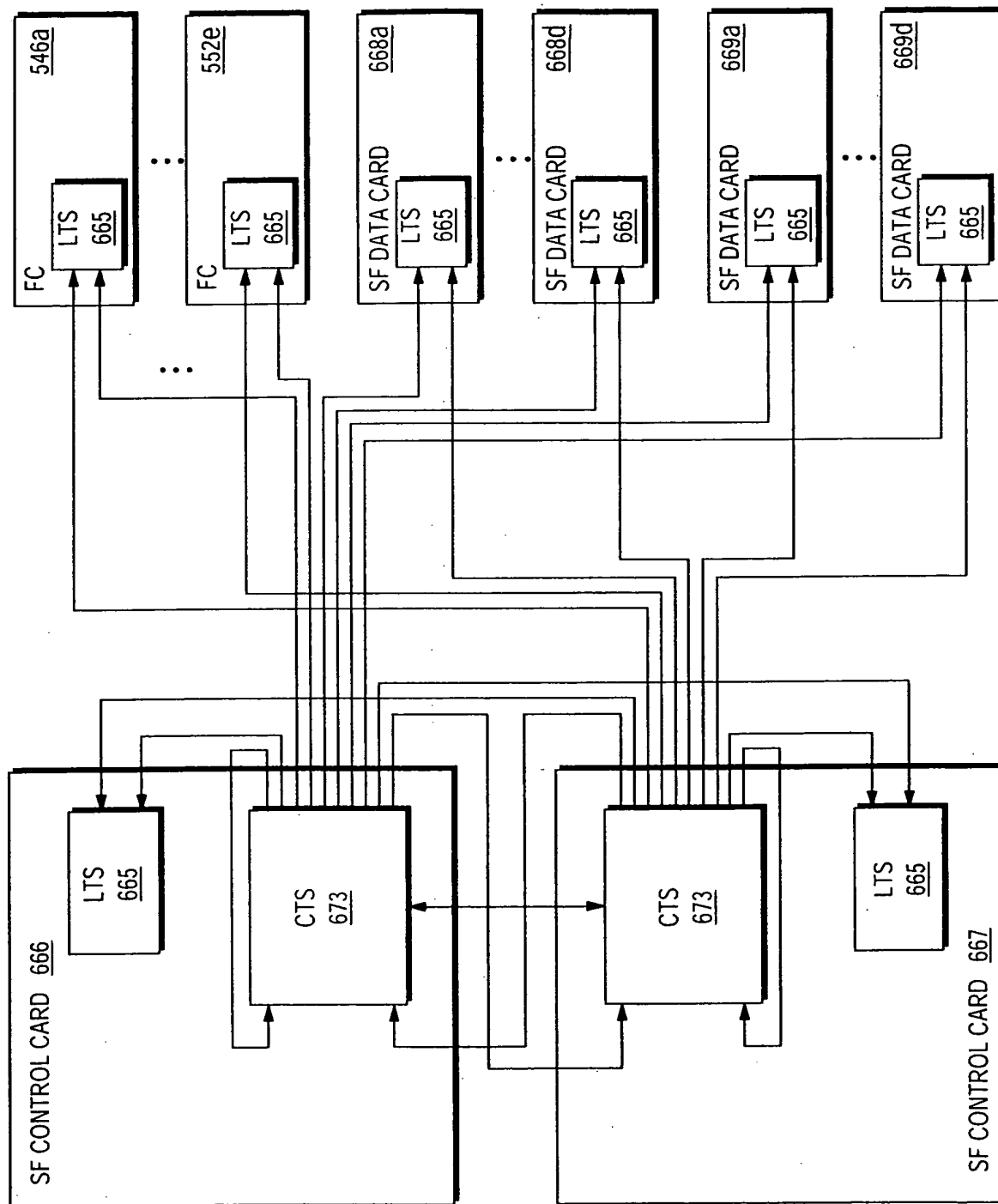
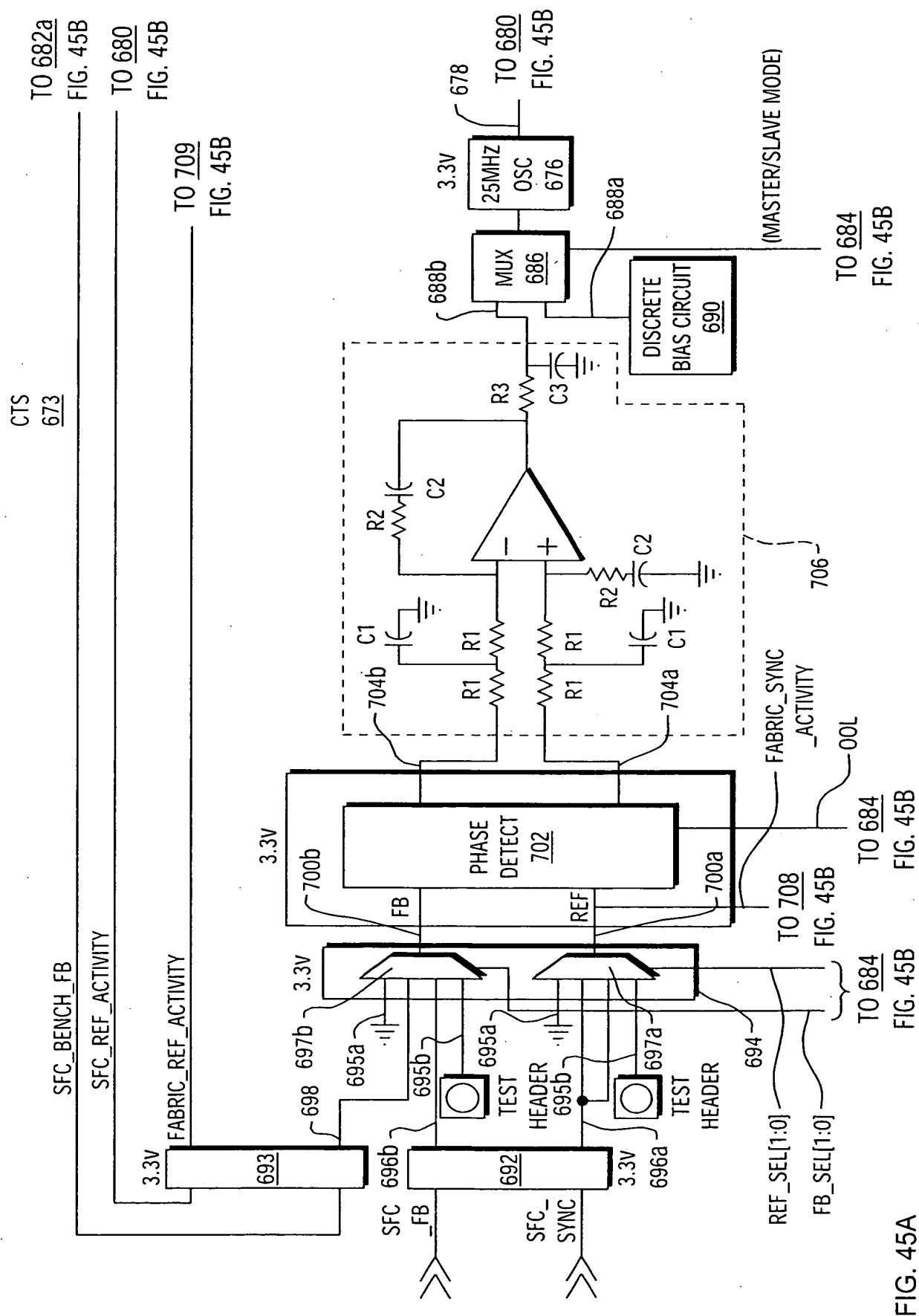
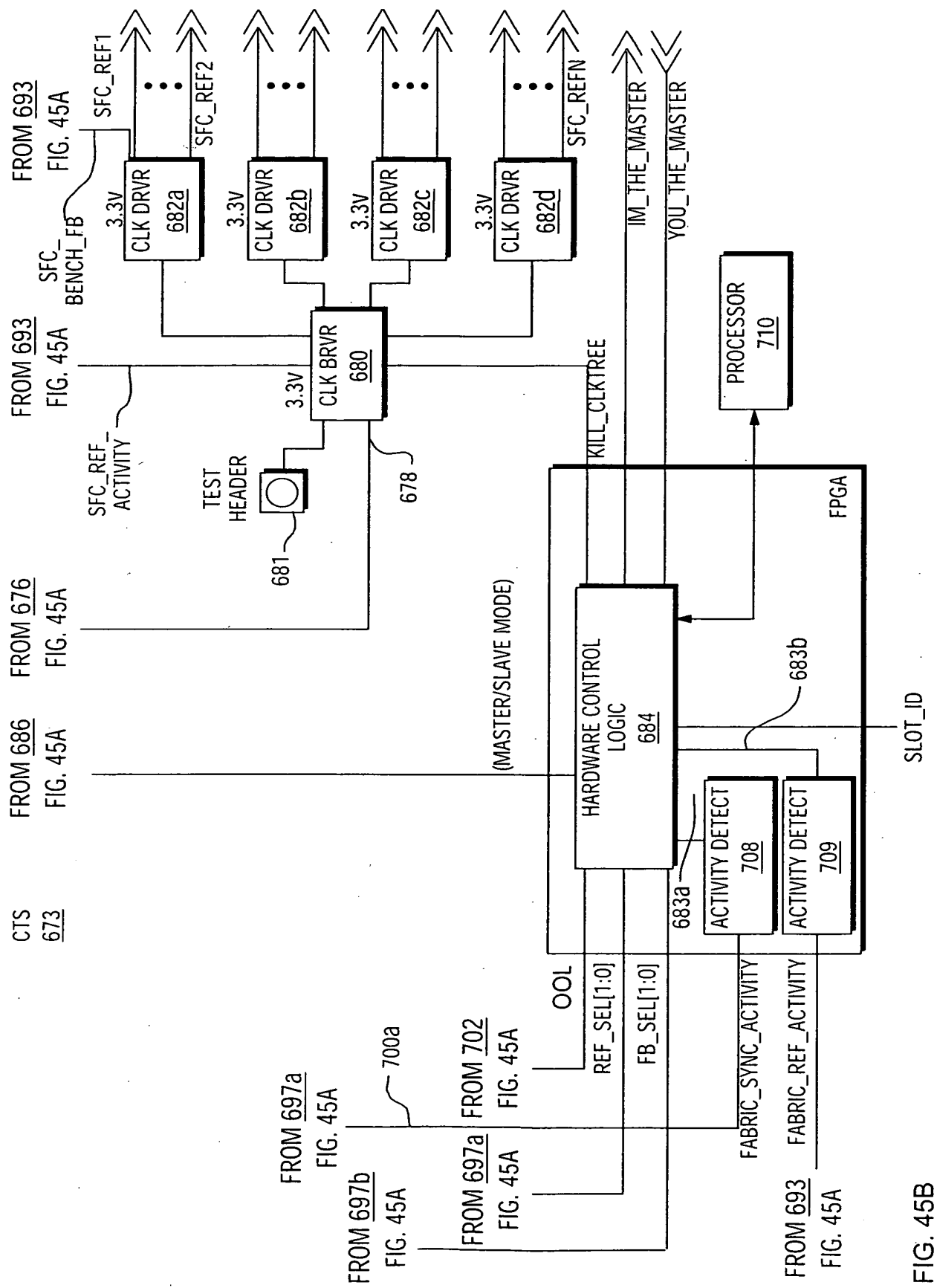


FIG. 44





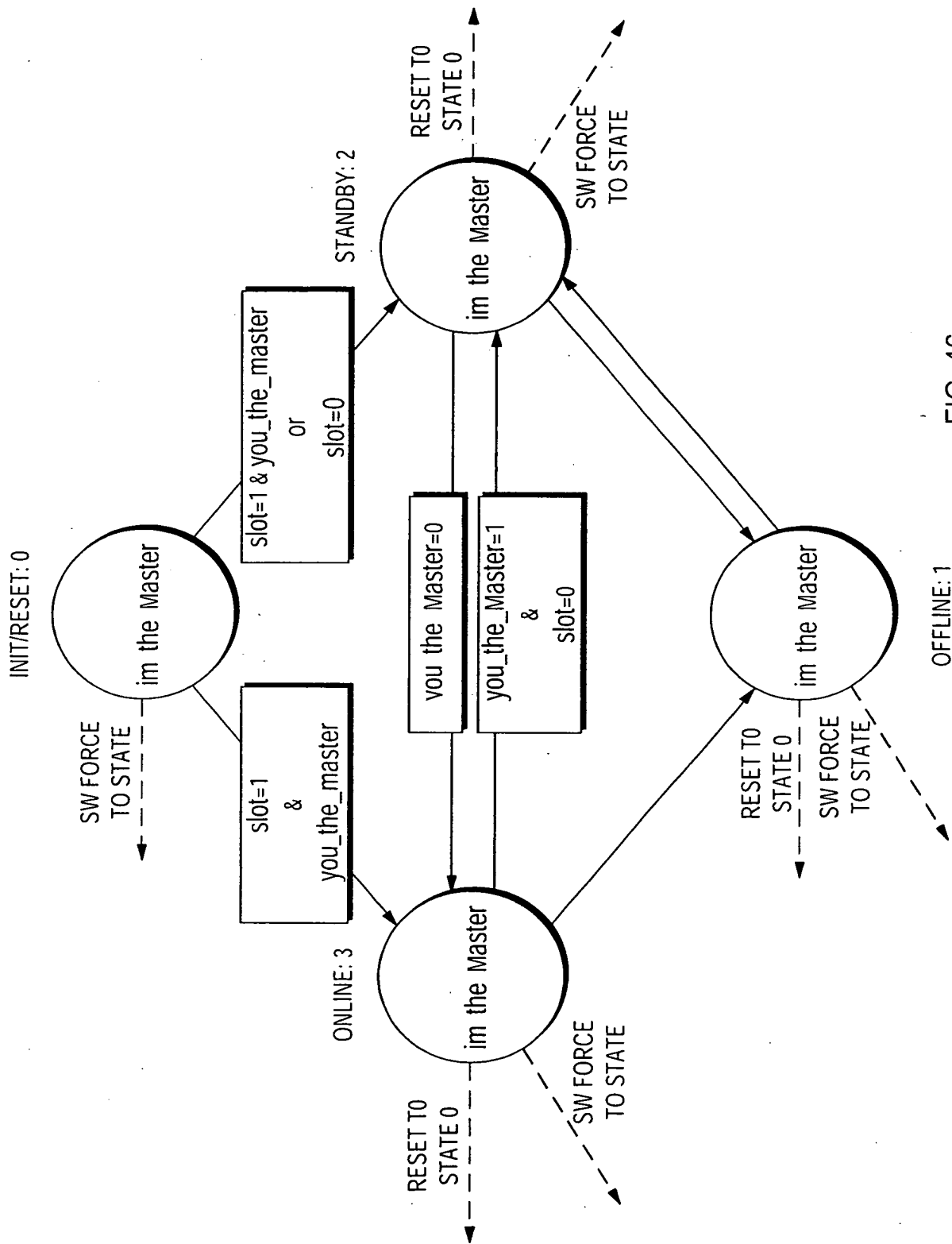


FIG. 46

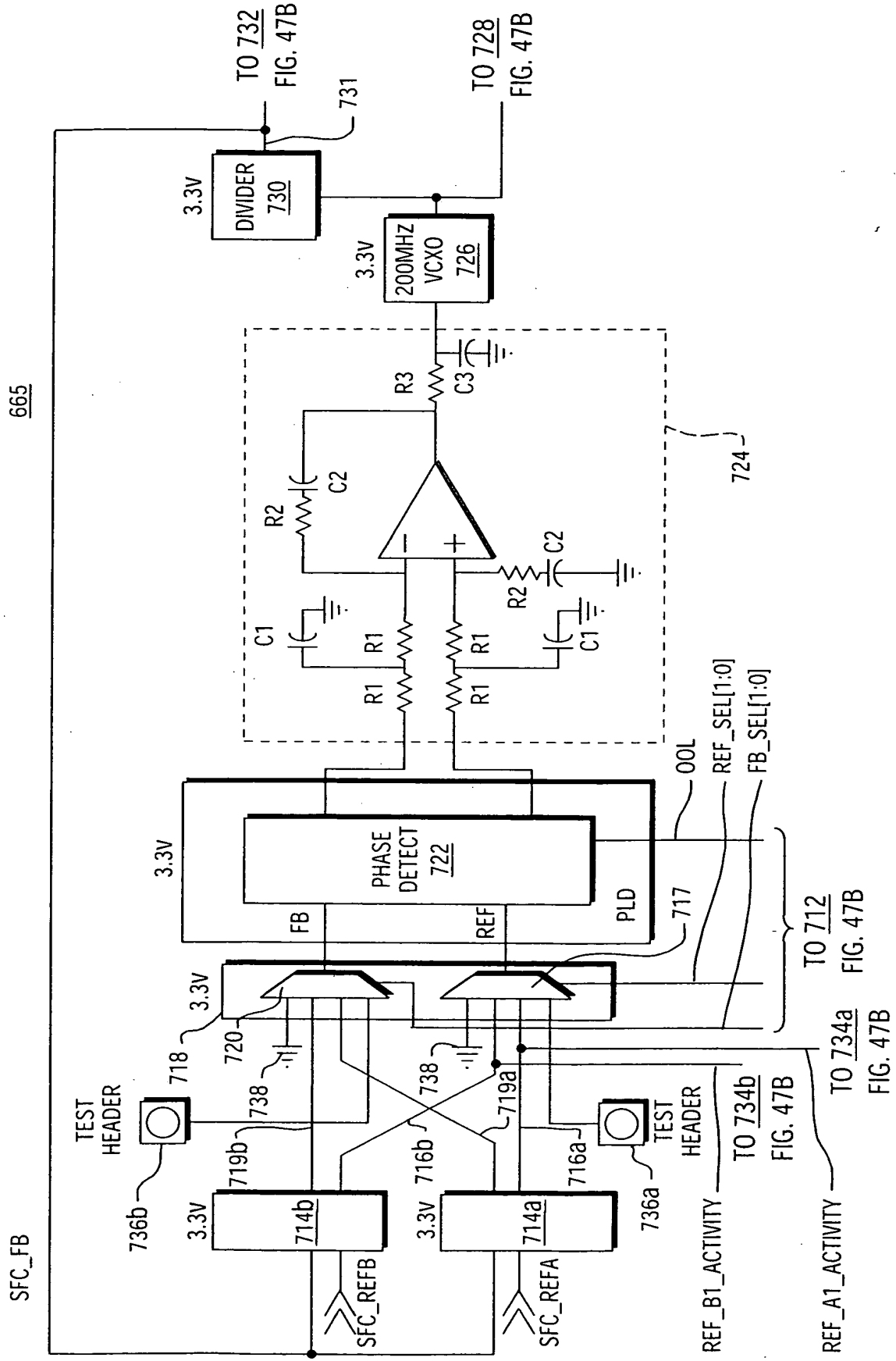


FIG. 47A

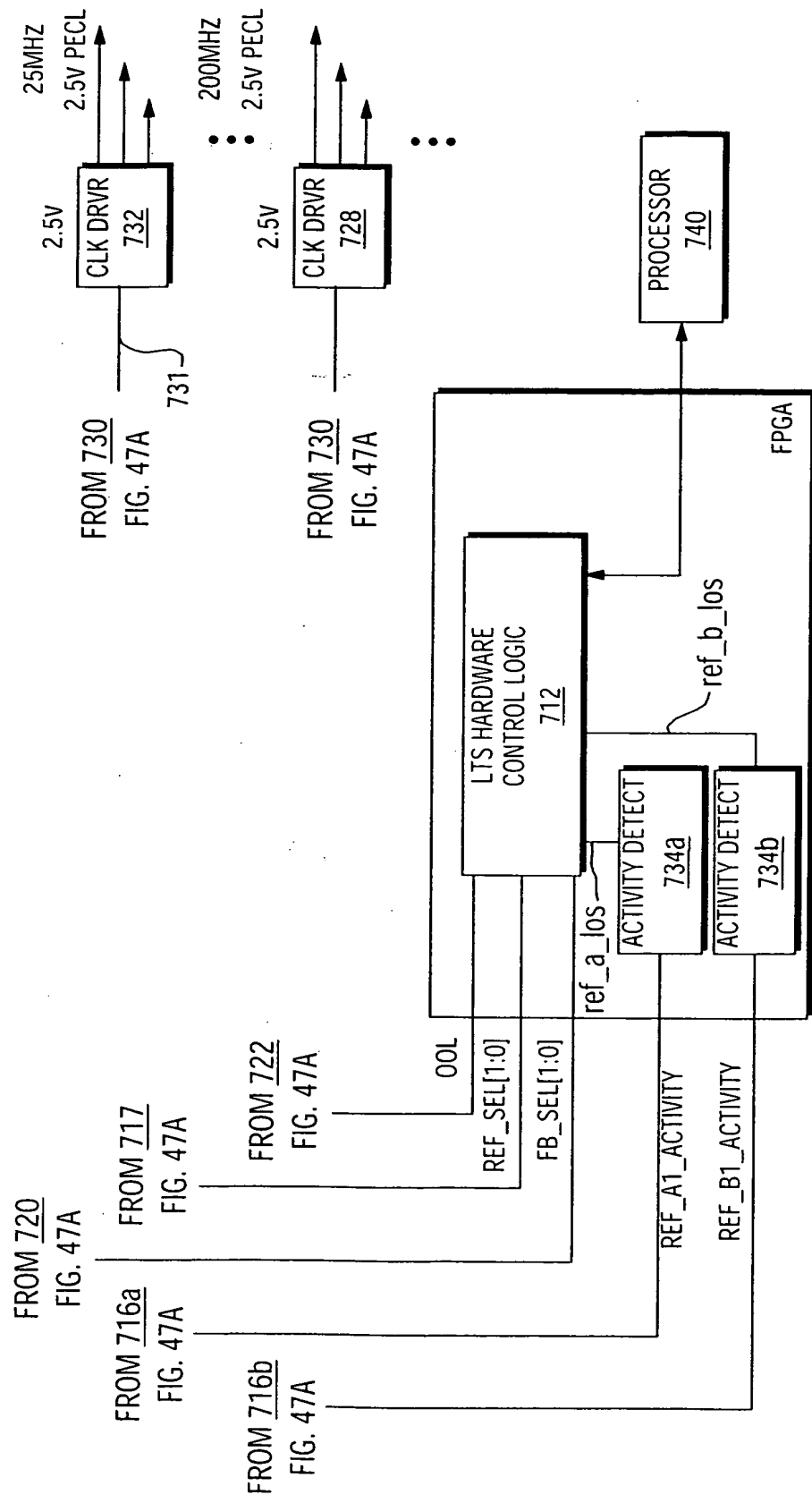


FIG. 47B

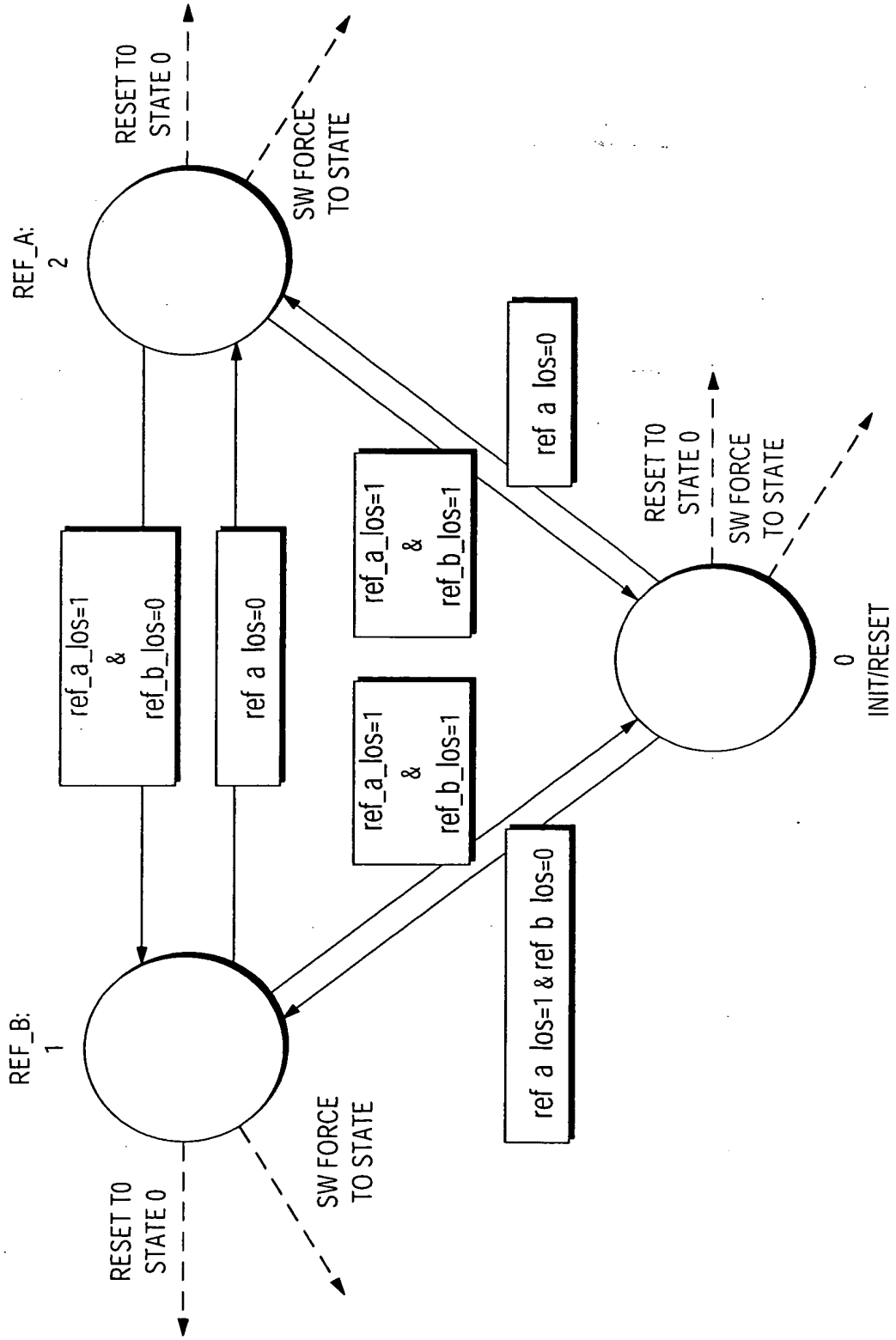


FIG. 48

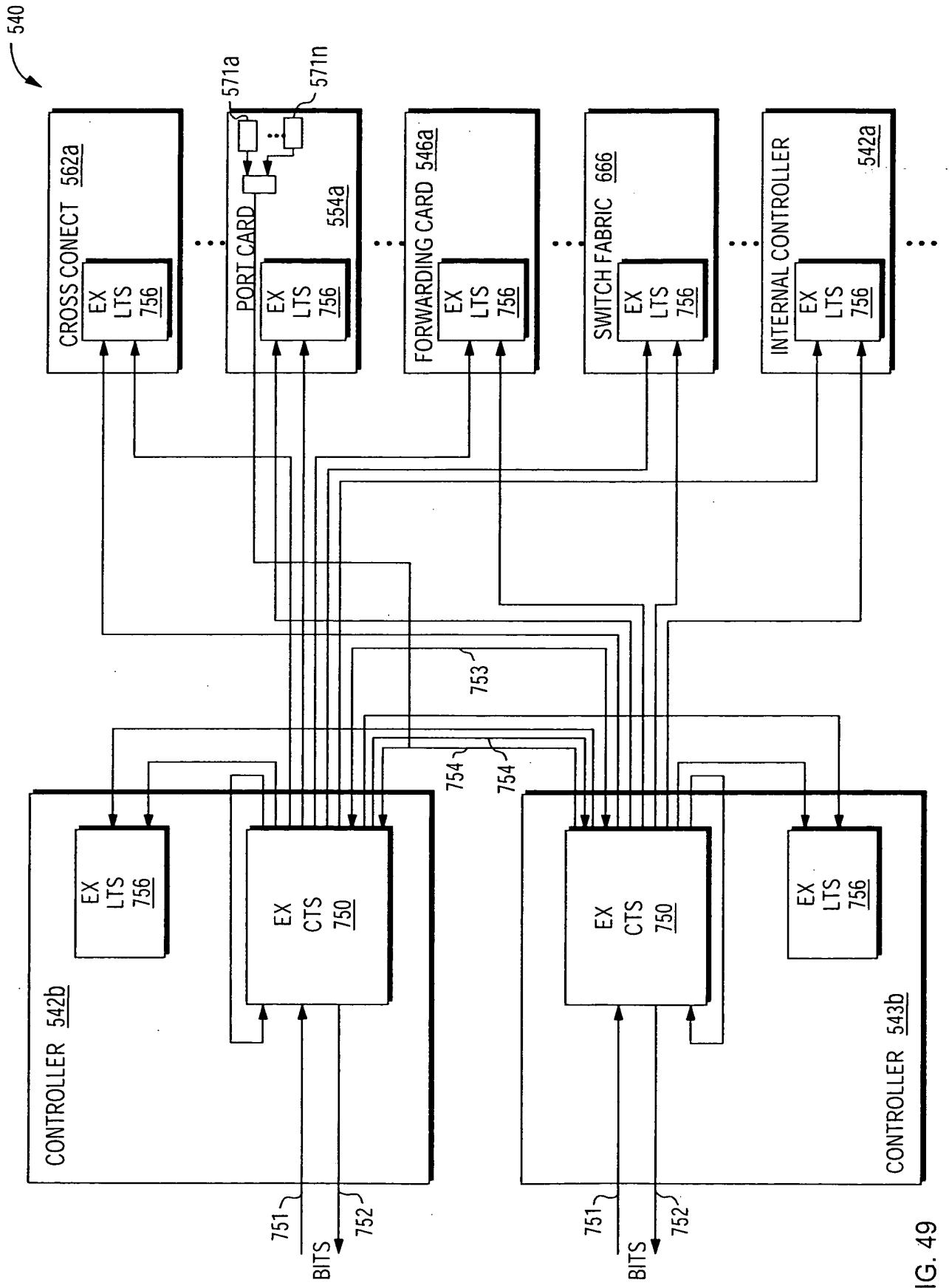


FIG. 49

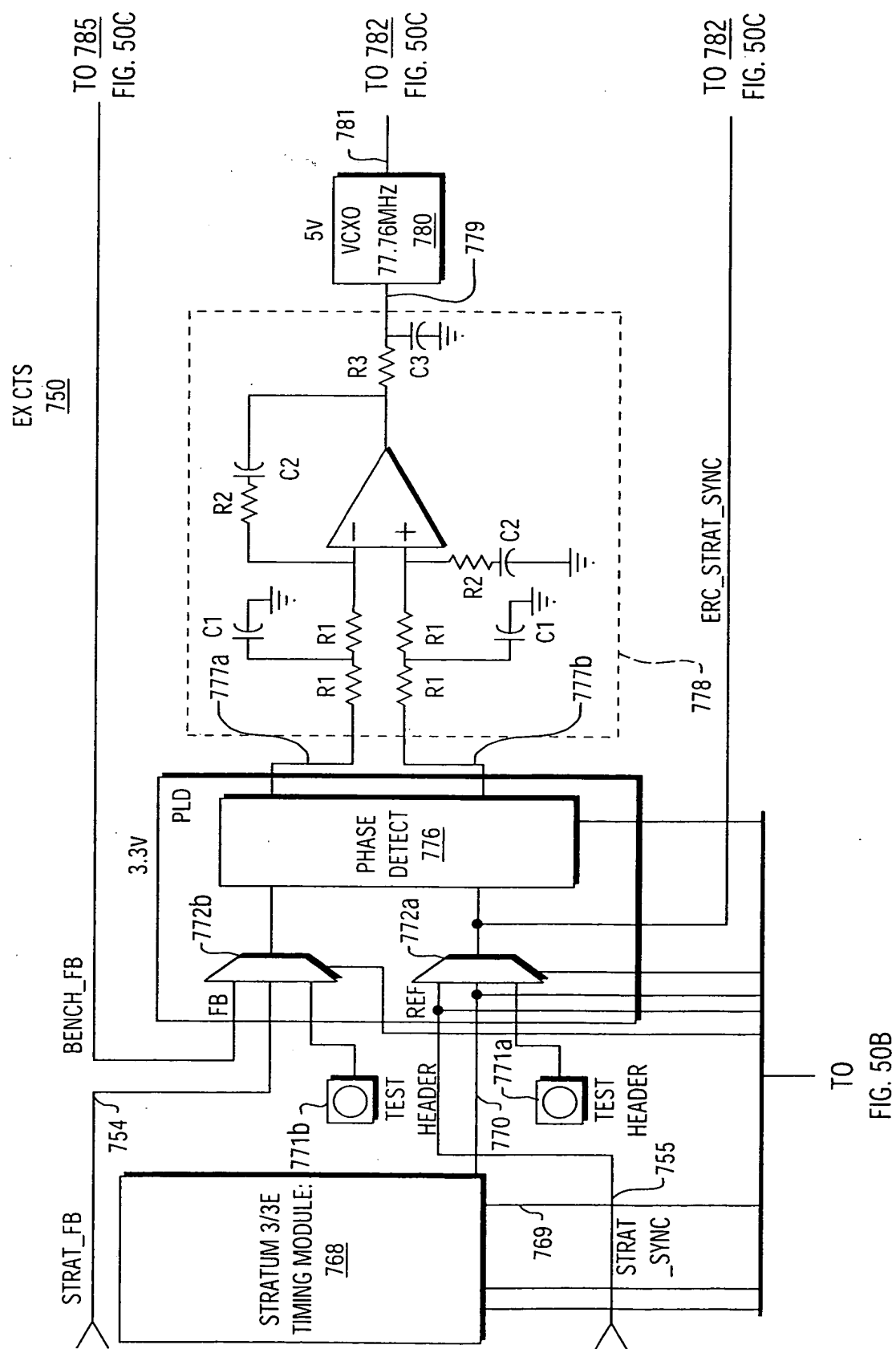


FIG. 50A

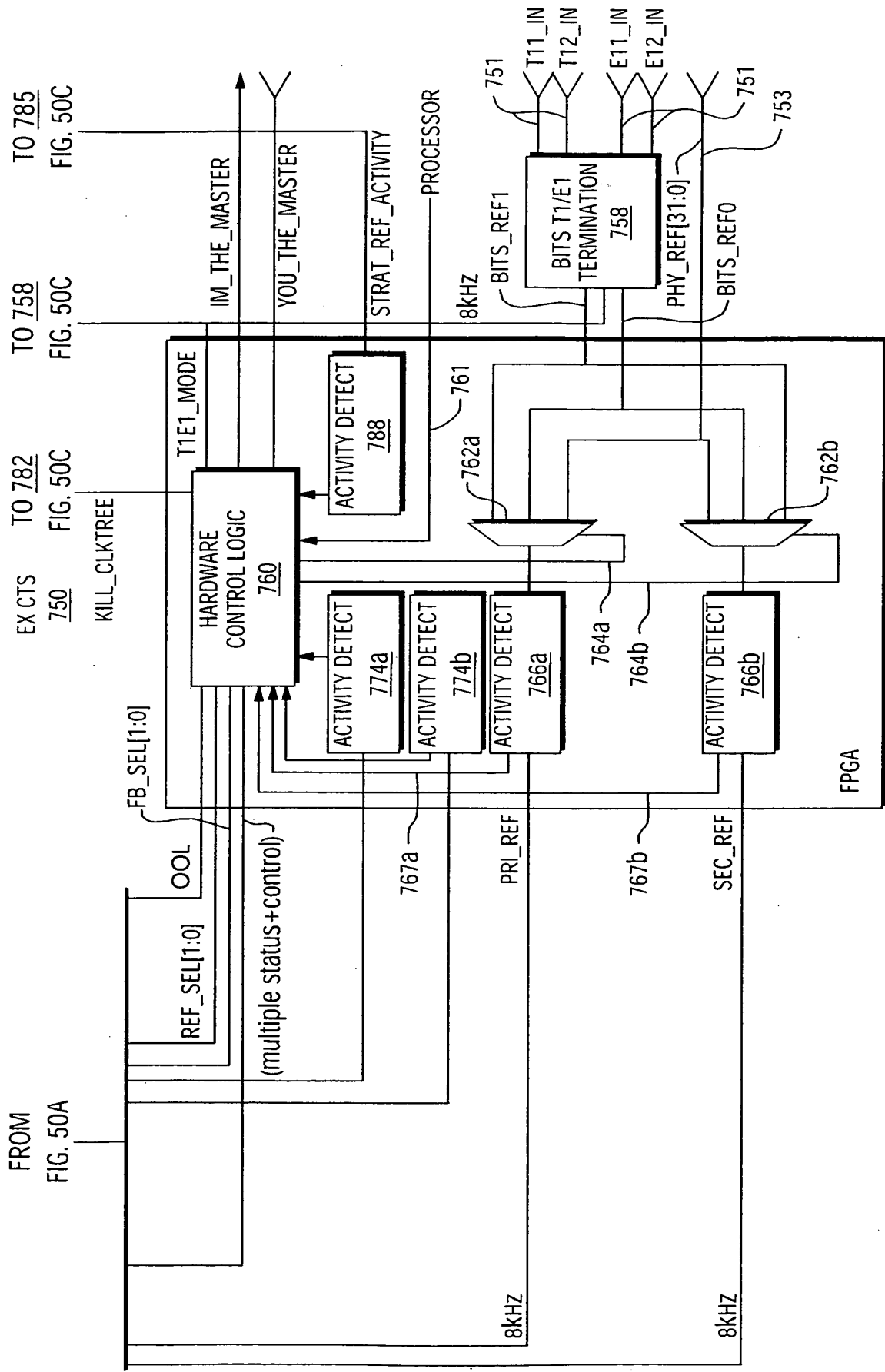


FIG. 50B

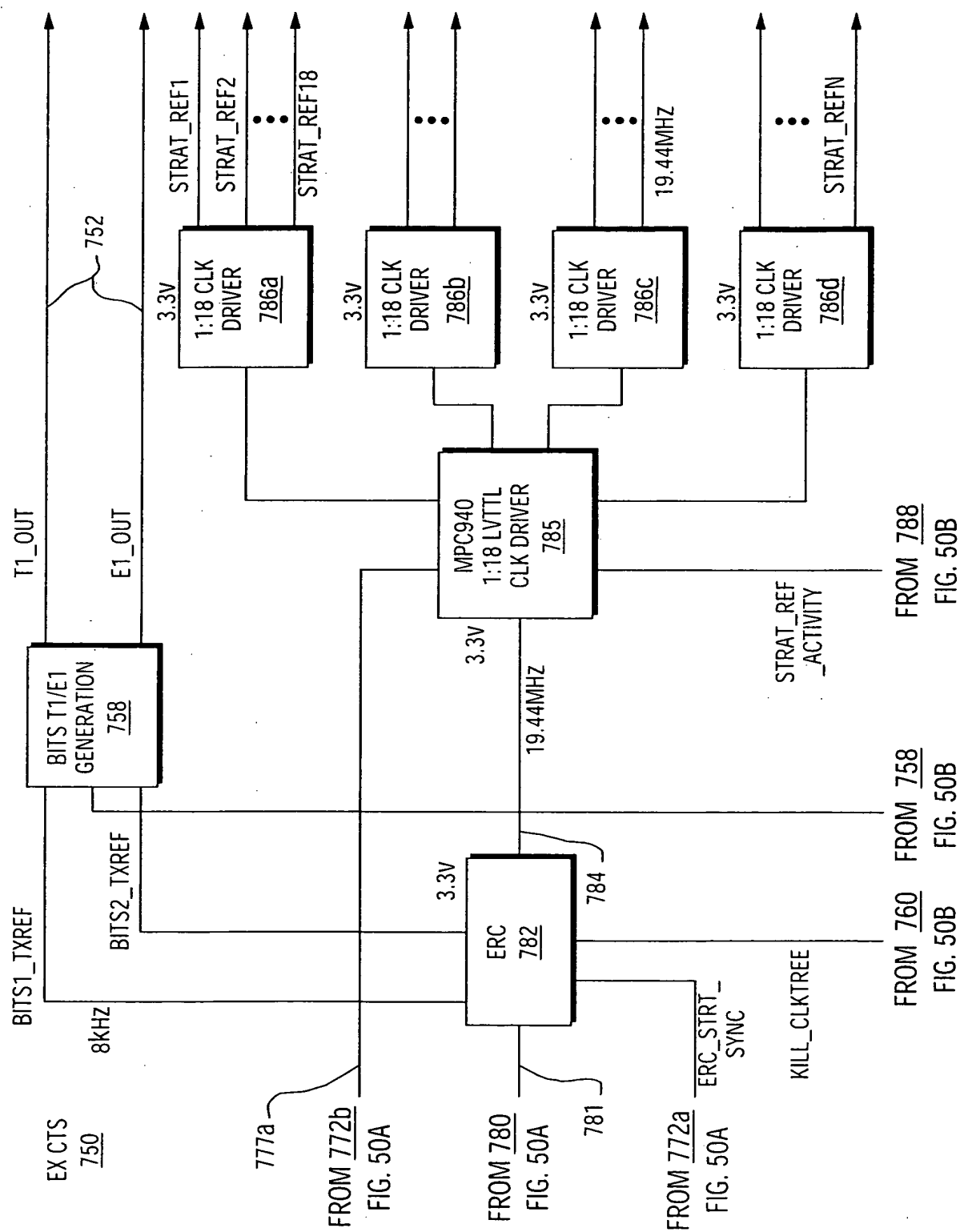


FIG. 50C

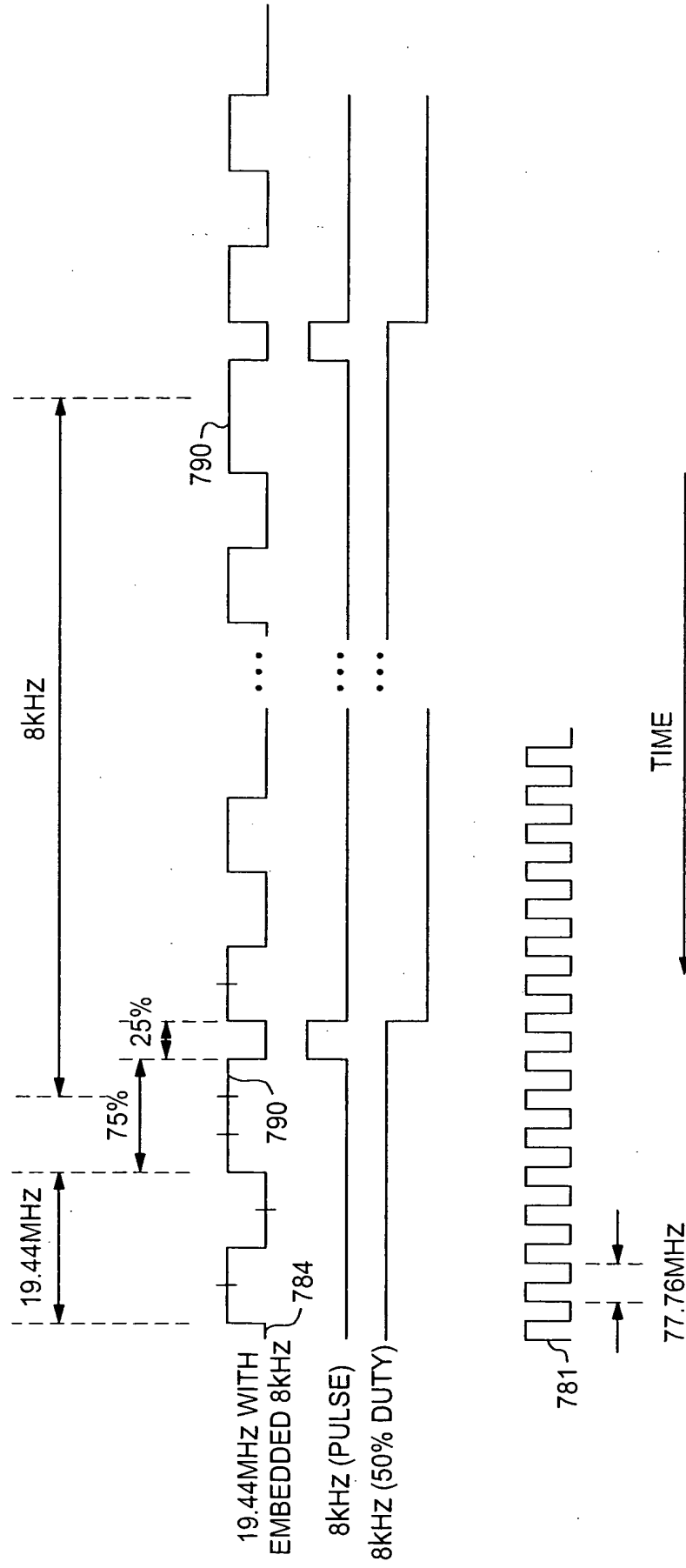


FIG. 51

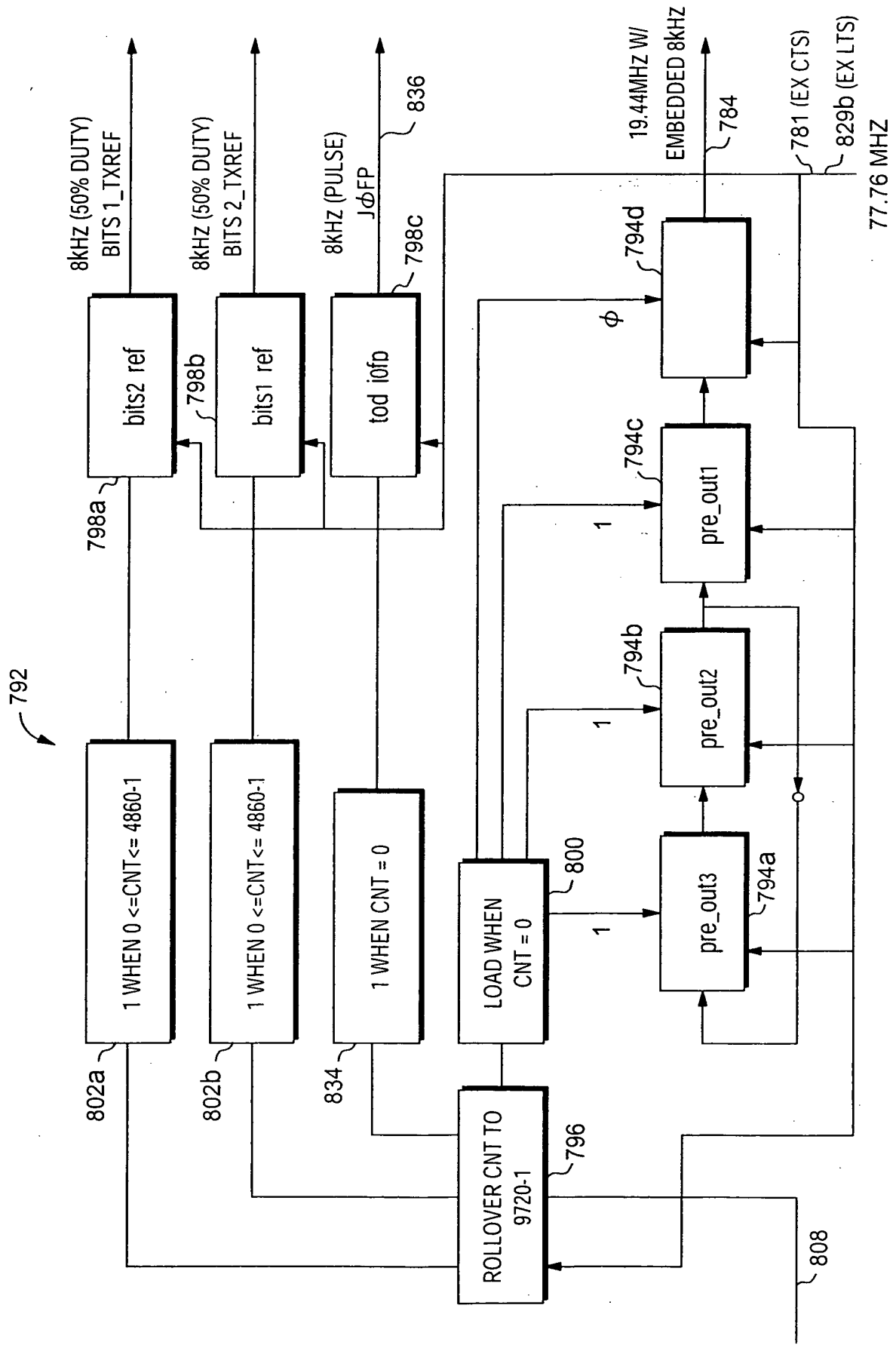


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
19.44MHZ WITH ENCLOSED 8KHZ
(MUST BE PULLED LOW WHEN NOT PRESENT)

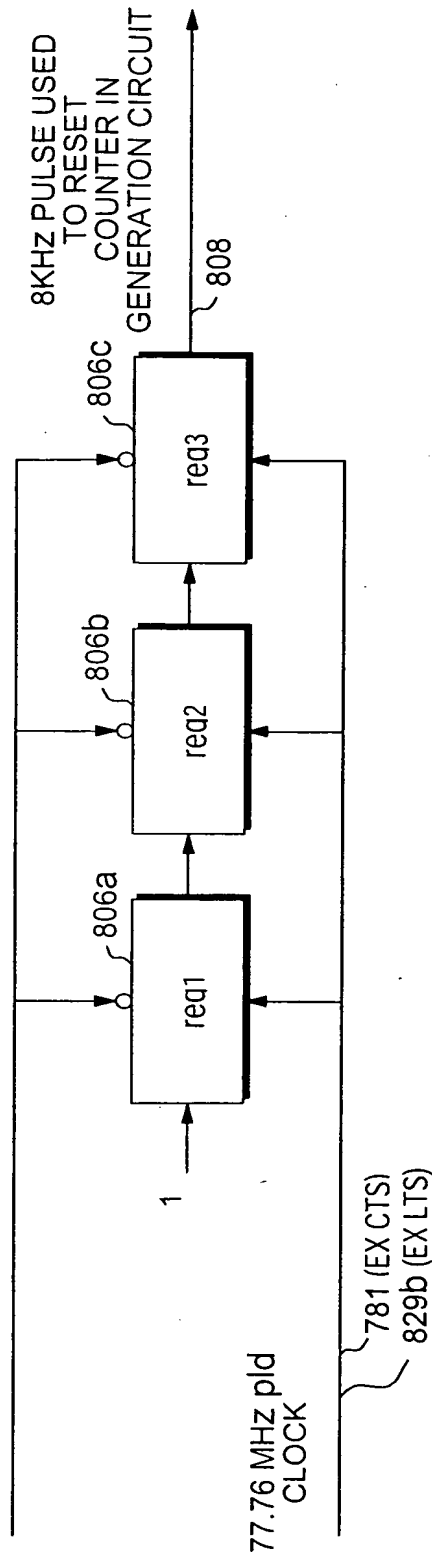


FIG. 53

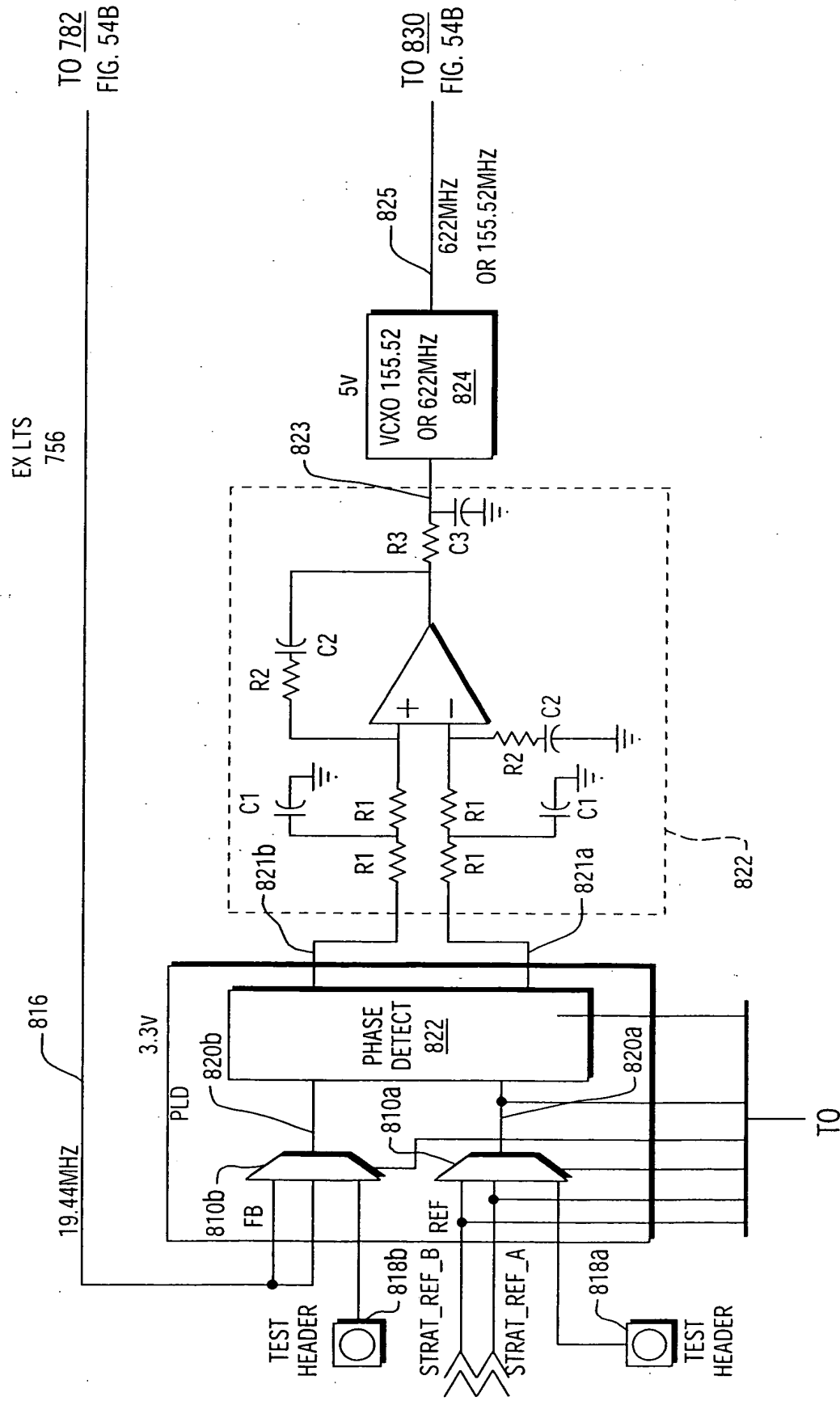


FIG. 54B

FIG. 54A

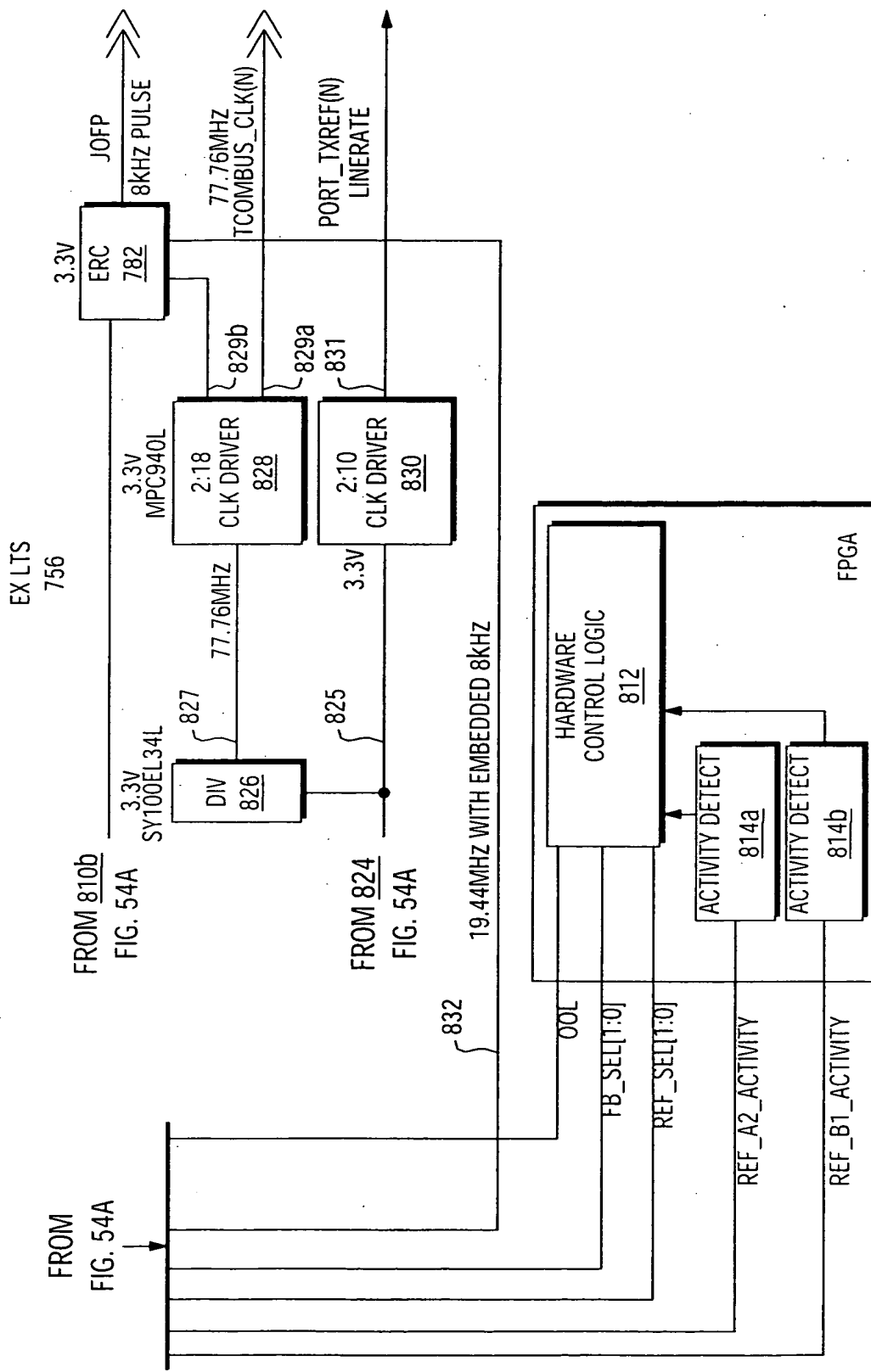
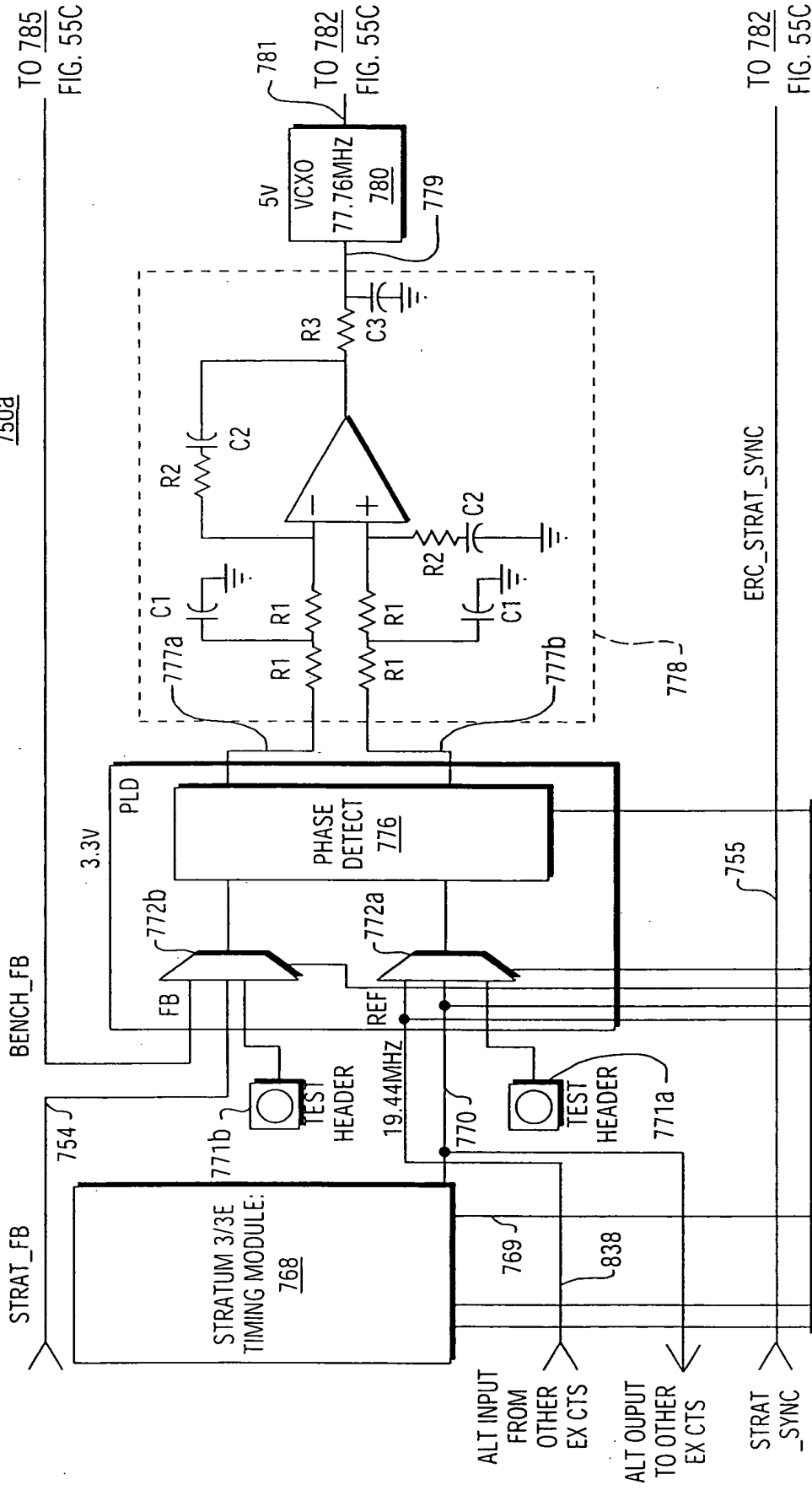


FIG. 54B

EX CTS
750a



TO
FIG. 55B

FIG. 55A

EX CTS
750a

FROM
FIG. 55A

TO 782
FIG. 55C

TO 758
FIG. 55C

TO 785
FIG. 55C

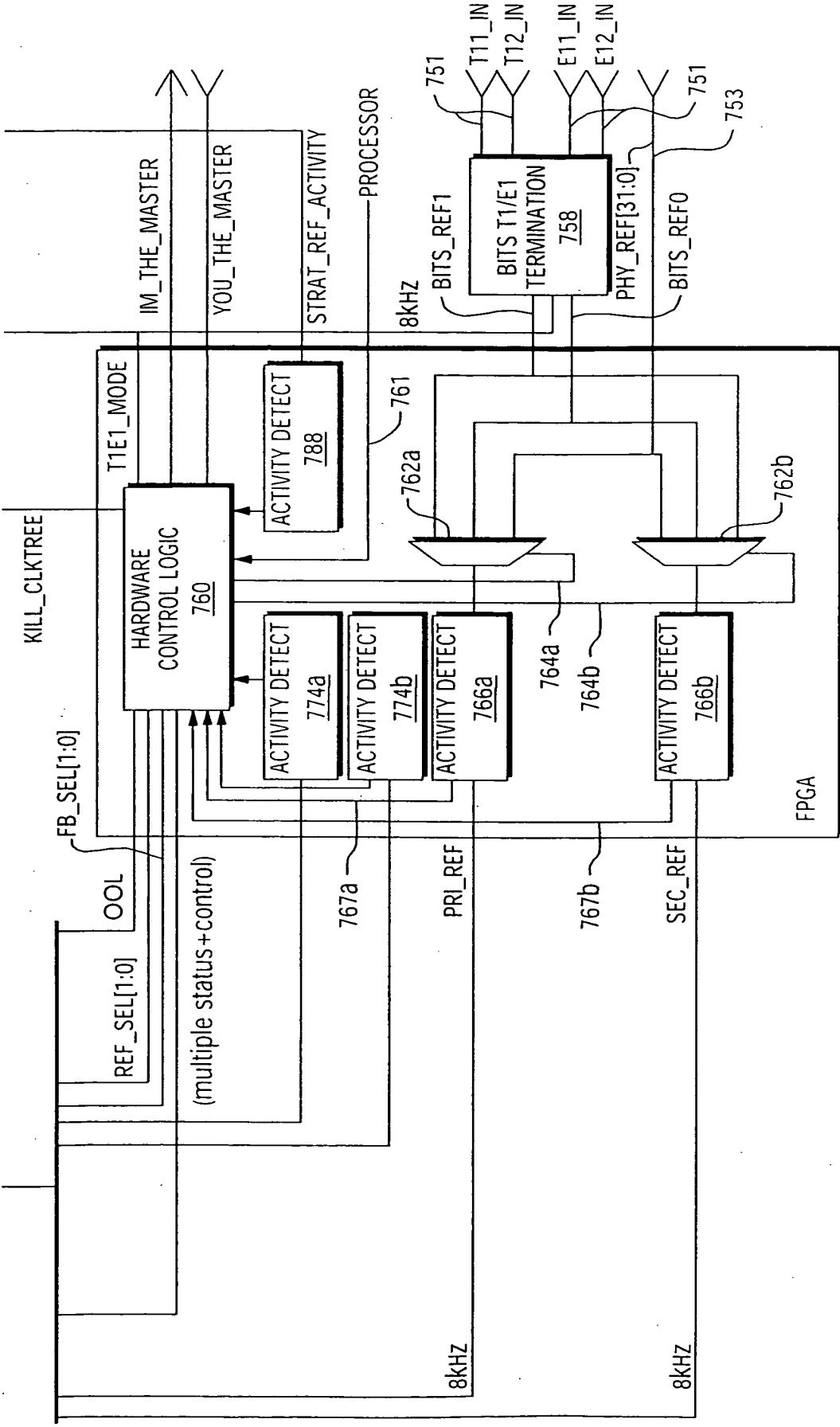


FIG. 55B

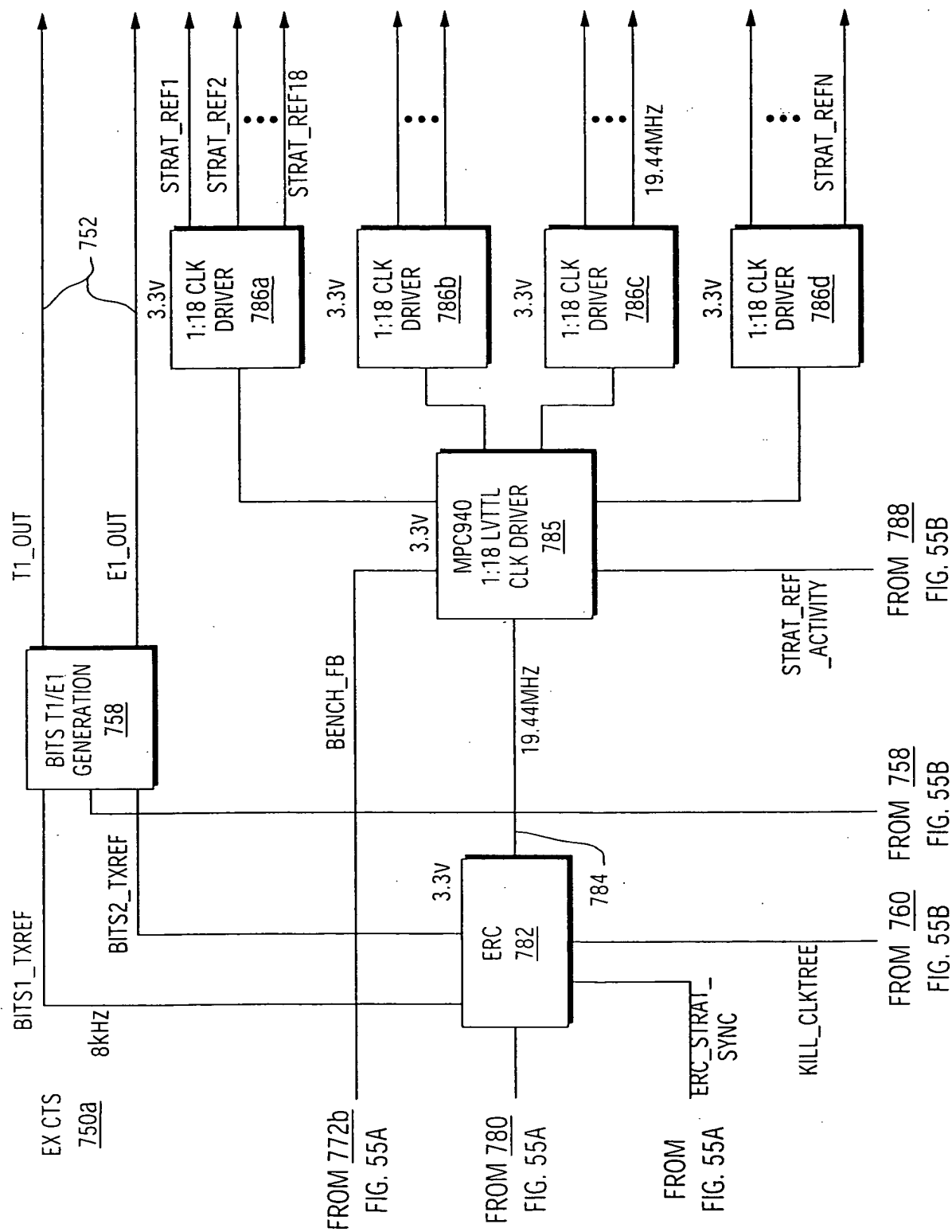


FIG. 55C

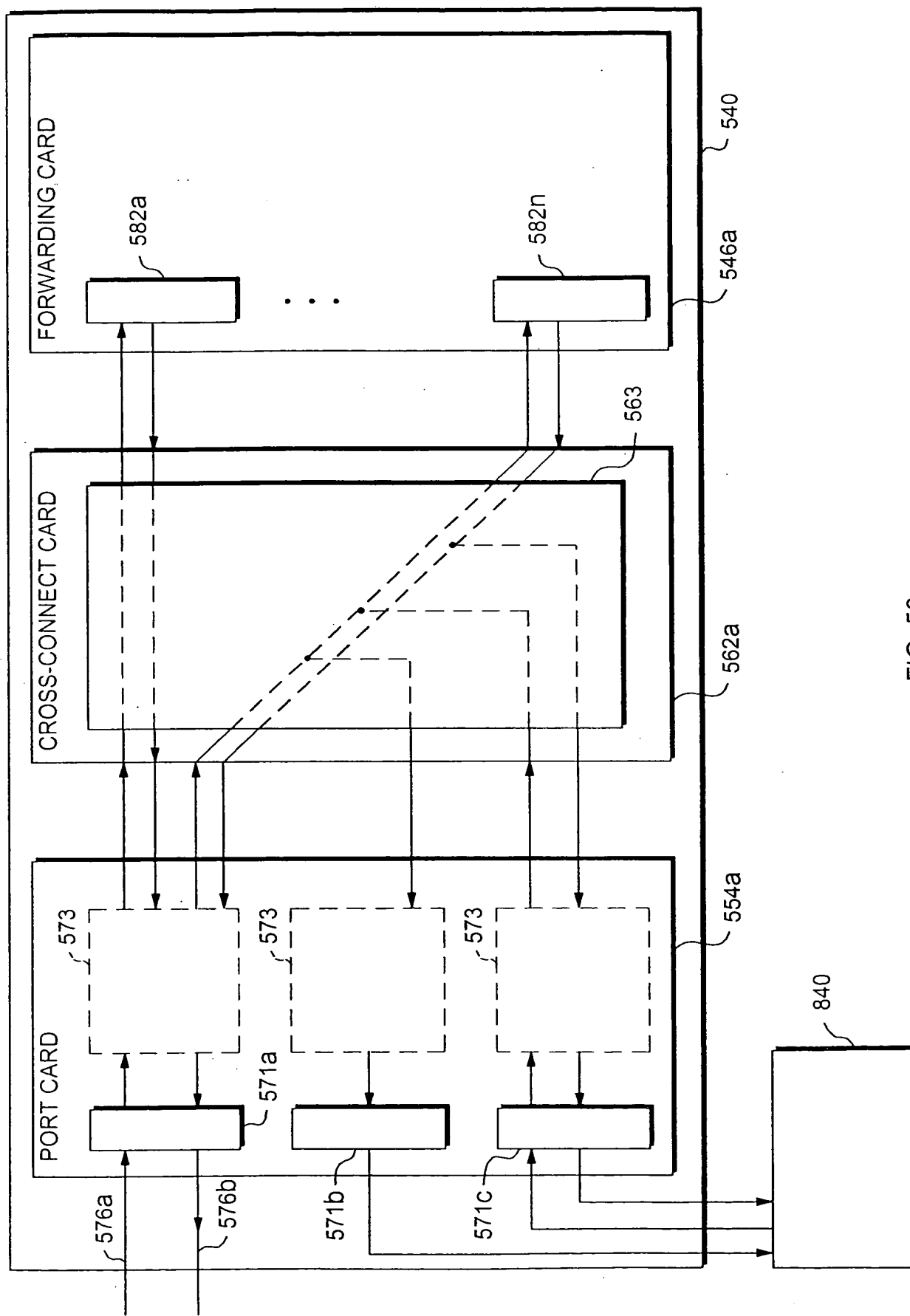


FIG. 56

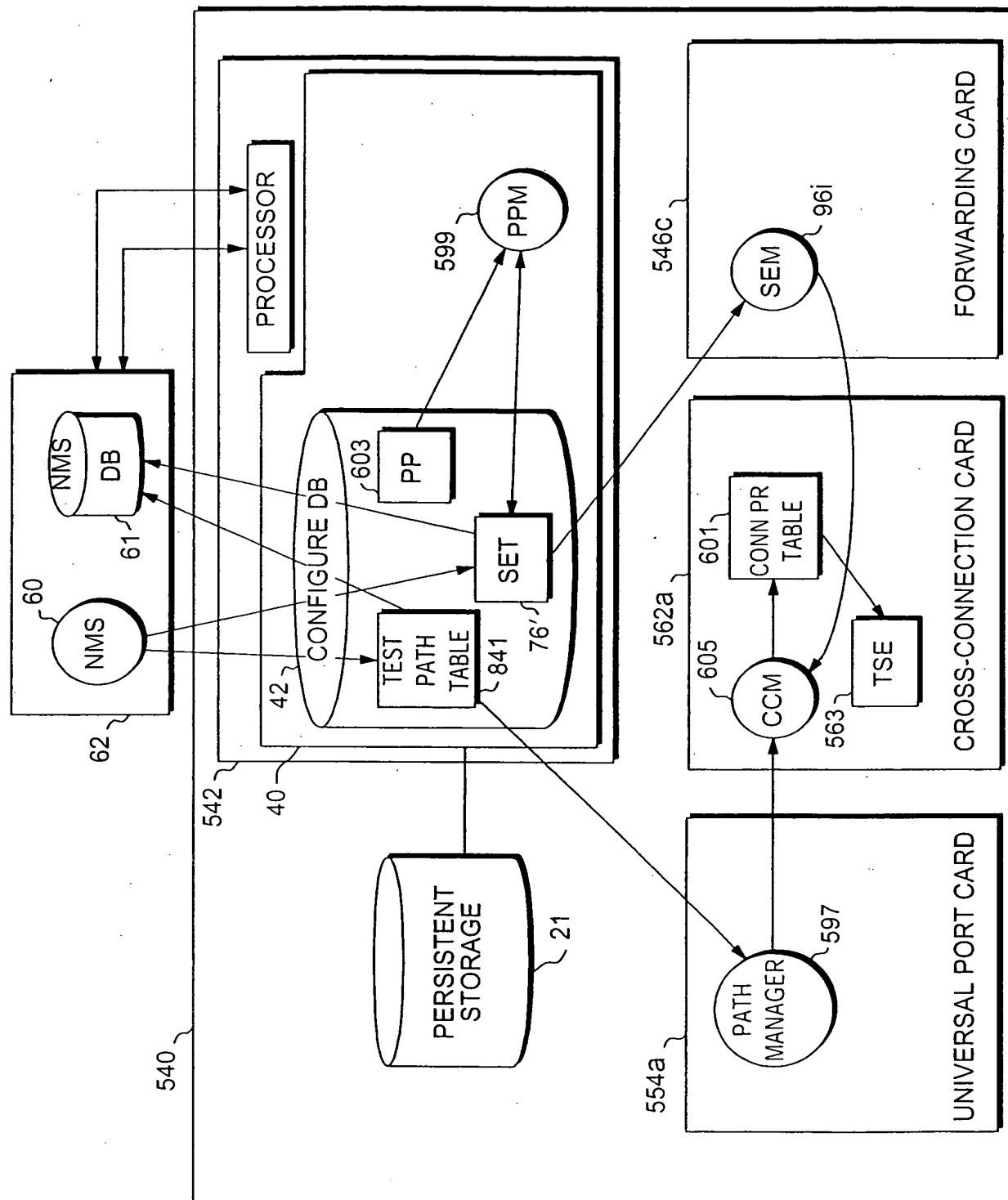


FIG. 57

TEST PATH TABLE 841

| 842 | 843 | 844 | 844 | | | | 845 | |
|-----|-----|-----|----------|-------------|-----------|-----------------|---------|----------------------|
| | | | PATH LID | UP PORT LID | TIME SLOT | # OF TIME SLOTS | MONITOR | ENABLE PORT RECEIVER |
| | | | 1666 | 1232 | 4 | 3 | INGRESS | NO |
| | | | 1666 | 1233 | 4 | 3 | EGRESS | NO |
| | | | 1666 | 1233 | 4 | 3 | INGRESS | YES |
| | | | . | . | . | . | | |
| | | | . | . | . | . | | |
| | | | . | . | . | . | | |
| | | | | | | | | ... |

FIG. 58